



SITE CHARACTERIZATION

PUBLIC VERSION SOIL VAPOR INTRUSION DATA SUMMARY REPORT 2008/2009 HEATING SEASON

**CONTRACT NO. D400310/C100902
CALL OUT ID: 117824**

**MEEKER AVENUE PLUME TRACKDOWN
GREENPOINT/EAST WILLIAMSBURG INDUSTRIAL AREA**

**SITE NO. 2-24-121
KINGS (C), NY**

Prepared for:
**NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
625 Broadway, Albany, New York**

Alexander B. Grannis, Commissioner

**DIVISION OF ENVIRONMENTAL REMEDIATION
REMEDIAL BUREAU B**

**URS Corporation
77 Goodell Street
Buffalo, New York 14203**

**Final
July 2009**

PUBLIC VERSION
SOIL VAPOR INTRUSION DATA SUMMARY REPORT
2008/2009 HEATING SEASON
FOR THE
MEEKER AVENUE PLUME TRACKDOWN
SITE NUMBER 2-24-121
GREENPOINT/EAST WILLIAMSBURG INDUSTRIAL AREA OF BROOKLYN
KINGS COUNTY, NEW YORK

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URS CORPORATION
77 GOODELL STREET
BUFFALO, NEW YORK 14203

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LIST OF ACRONYMS AND ABBREVIATIONS

%	percent
1,1-DCA	1,1-dichloroethane
1,1,1-TCA	1,1,1-trichloroethane
aka	also known as
ASP	Analytical Services Protocol
BP	British Petroleum
CD	compact disk
COC	chain-of-custody
Con-Test	Con-Test Analytical Laboratory
DCA	dichloroethane
DCE	dichloroethene, aka dichloroethylene
DER	Division of Environmental Remediation
DUSR	Data Usability Summary Report
EEPC	Ecology & Environment Engineering, P.C.
ELAP	Environmental Laboratory Approval Program
EPM	Environmental Planning and Management, Inc.
FAP	Field Activities Plan
FSP	Field Sampling Plan
Freon 11	trichlorofluoromethane
Freon 12	dichlorodifluoromethane
Freon 113	1,1,2-trichloro-1,2,2-trifluoroethane
HASP	Health and Safety Plan
ID	inside diameter
L	liter
L/min	liters per minute
mg/kg	milligrams per kilogram (parts per million)
mL	milliliter
MW	monitoring well
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYS DOT	New York State Department of Transportation
OD	outside diameter
PCE	perchloroethene, aka tetrachloroethene or tetrachloroethylene or perchloroethylene
PDF	portable document format
PID	photoionization detector
PMWP	Project Management Work Plan
ppb	parts per billion
ppbv	parts per billion by volume
ppm	parts per million
QA	quality assurance
QAPP	Quality Assurance Project Plan
QC	quality control
SAP	Sampling and Analysis Plan
SVI	soil vapor intrusion
TCE	trichloroethene, aka trichloroethylene
TCL	target compound list
µg/kg	micrograms per kilogram (parts per billion)

LIST OF ACRONYMS AND ABBREVIATIONS

(Continued)

$\mu\text{g}/\text{L}$	micrograms per liter (parts per billion)
$\mu\text{g}/\text{m}^3$	micrograms per cubic meter
UHP	ultra high purity
URS	URS Corporation
USCG	United States Coast Guard
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound
WA	work assignment

1.0 INTRODUCTION

This Data Summary Report has been prepared to summarize the second round of soil vapor intrusion (SVI) sampling and analytical results for the Meeker Avenue Plume Trackdown Site. The Meeker Avenue Plume Trackdown Site is located in the Greenpoint/East Williamsburg Industrial Area section of Brooklyn, New York (Figure 1). The second round of SVI sampling was performed during the 2008/2009 heating season in and around two outreach areas that are located within the Meeker Avenue Plume Trackdown Site, the ACME Steel/Klink Cosmo Outreach Area and the Spic and Span Outreach Area (Figure 2). The second round of SVI sampling was performed to assess the potential for vapor intrusion into residences within the Spic and Span Outreach Area based upon the results of soil-gas, soil, and groundwater samples collected the Phase III investigation (URS, 2008b). SVI sampling was also performed in the ACME Steel/Klink Cosmo Outreach Area during the second round of SVI sampling to provide additional spatial data to augment the results of samples collected during the first round of SVI sampling (2007/2008 heating season).

The first phase of SVI sampling work for this site was issued to URS Corporation (URS) by the New York State Department of Environmental Conservation (NYSDEC) as Work Assignment (WA) Number D004433-22. The second phase of SVI sampling was performed by URS as a subcontractor to EnviroTrac Ltd. of Yaphank, New York under Contract Numbers D400310 and C100902, Call Out ID: 117824.

1.1 Site Description and History

The Meeker Avenue Plume Trackdown Site is located in a region of historic petroleum refining and storage operations that occupied a significant portion of the Greenpoint area. By 1870, over 50 refineries were located along the banks of Newtown Creek. Currently, bulk oil storage terminals exist north of the site, including the British Petroleum (BP) Terminal, and the ExxonMobil Brooklyn Terminal (Brooklyn Terminal). The former Paragon Oil facility was located on the site along Newtown Creek, north of Bridgewater Street, between Meeker Avenue and Apollo Street. Peerless Importers, Inc., currently is located on a portion of the former Paragon Oil facility along Newtown Creek.

In September 1978, the United States Coast Guard (USCG) noted the signs of an oil spill entering Newtown Creek from the area at the end of Meeker Avenue. A subsequent investigation concluded that the area of the spill under the Greenpoint/East Williamsburg Industrial Area was in excess of 52 acres and the total spill volume, as estimated in 1979, was approximately 17 million gallons of petroleum products. The current BP property was determined to be the source of the petroleum free product plume. Investigation and remediation activities were conducted by Roux Associates Inc. (Roux Associates) on behalf of ExxonMobil from 1990 to the present and have further defined the extent of the Off-Site Plume. The Off-Site Plume area consists of the area underlain by the petroleum free product plume that is not on the BP Terminal or the Peerless Imported, Inc. properties. Currently, the extent of the Off-Site Plume area is less than what it was in 1990 due to the operation of the Off-Site Free Product Recovery System (Off-Site System). The Off-Site System has recovered approximately 4,220,967 gallons since it became operational in 1995 (Roux, October 31, 2008).

Based on the results of several investigations conducted in the area [see Phase IV report (URS, 2009)], chlorinated solvents such as tetrachloroethene (PCE) and trichloroethene (TCE) were found in soil-gas, soil, and groundwater in areas outside the Off-Site Plume area. As these chemicals are not related to petroleum, the NYSDEC initiated the Meeker Avenue Plume Trackdown Site investigation in order to determine the source(s) of this contamination. For the SVI portion of the investigation, the focus was on the residential areas of the site.

The original Meeker Avenue Plume Trackdown Site investigation area was bounded by the former ExxonMobil Brooklyn Refinery/current BP Terminal to the north (Norman Avenue/Bridgewater Street), Newtown Creek to the east, Lombardy Street to the south, and Kingsland Avenue to the west. Through the four phases of the investigation performed to date (URS, 2009), the site investigation area boundary has been expanded to the current configuration which is bounded by the former ExxonMobil Brooklyn Refinery/current BP Terminal to the north (Norman Avenue/Bridgewater Street) and 1 block north from Norman Avenue, between Kingsland Avenue and Monitor Street, Newtown Creek to the east, Withers Street between Vandervoort and Morgan Avenues to the south and west to Kingsland Avenue between Withers and Nassau Avenues and Monitor Street between Norman and Nassau Avenues (Figure 1).

The area located north of Nassau Avenue and east of Van Dam Street and south of Meeker Avenue is primarily used for commercial/industrial purposes. Residential areas are located in both

the northwest portion of the site (extending from Van Dam Street between Nassau and Meeker Avenues, to the western site boundary) and within the southern portion of the site (along Beadel Street from Morgan to Porter Avenues and along Vandervoort Avenue from Lombardy Street to Division Place).

1.2 Previous Soil Vapor Investigations

SVI sampling was conducted by Ecology & Environment Engineering, P.C. (EEEPC), a technical consultant under the direction of the NYSDEC, in the residential area north of the BQE during the 2006-2007 heating season (EEEPC, July 2007). The purpose of the SVI sampling performed by EEEPC was to evaluate possible exposure concerns related to chemical vapors from the ExxonMobil Off-Site Plume underlying the residential area. During that investigation, a total of 52 residences were sampled. The results of this sampling event indicated that chemicals related to the historic petroleum spill were not migrating into area homes. However, several homes showed a potential for soil vapor intrusion by chemicals unrelated to the historic petroleum spill. Nine of these homes were re-sampled in March 2008 by EEIPC under the direction of the New York State Department of Health (NYSDOH).

1.3 Findings of Previous Round of Soil Vapor Intrusion Sampling

URS completed the first round of SVI sampling at the Meeker Avenue Plume Trackdown site during the 2007/2008 heating season (February-March 2008). As the area north of the BQE was being investigated separately (see Section 1.2), the NYSDEC and the NYSDOH directed URS to focus the first round of SVI sampling in the residential area south of the BQE (Figure 3). The residential area south of the BQE has been subsequently been identified by the NYSDOH as the ACME Steel/Klink Cosmo Outreach area. The first phase of sampling was performed to assess the potential for vapor intrusion into residences within the ACME Steel/Klink Cosmo Outreach area based upon the results of soil-gas, soil, and groundwater samples collected during the Phase II investigation (URS, 2008a). Of the 57 potential houses in the ACME Steel/Klink Cosmo Outreach area, only 12 residences were ultimately sampled.

At each address an indoor air, outdoor air, and sub-slab soil vapor sample were collected and analyzed for the target compound list (TCL) VOCs listed in Table 1, to a minimum detection limit of 1.0 µg/m³. TCE, carbon tetrachloride and vinyl chloride in all indoor and outdoor air samples were

analyzed to a minimum detection limit of 0.25 µg/m³. A summary of detected VOCs in the 2007/2008 indoor air, outdoor air, and sub-slab samples is presented by location in Table 2.

Indoor air and sub-slab analytical results were compared to Matrix 1 and Matrix 2 (NYSDOH Soil Vapor Intrusion Guidance, October 2006), which may be found in Appendix A. This was done to assess current and potential future exposures at each residence sampled. Based on the analytical results, all locations sampled except H-02 and H-11 had concentrations that resulted in “Mitigate” recommendations. The recommended action for H-11 is “Monitor/Mitigate”. The recommended action for H-02 following Matrix 1 would be “take reasonable and practical actions to identify source(s) and reduce exposure” based on the concentration of TCE found in indoor air. It should be noted that concentration of TCE in the indoor air sample at H-02 can be considered marginal based on the results of the outdoor air sample. Therefore the recommendation for H-02 was “No further action”.

2.0 FIELD INVESTIGATION ACTIVITIES

The second round of SVI sampling was conducted at both the ACME Steel/Klink Cosmo Outreach Area and the Spic and Span Outreach Area (Figures 3 and 4 respectively) during the 2008/2009 heating season. In addition, homes outside the outreach areas were sampled based upon owner's requests to the NYSDOH. The activities conducted during the 2008/2009 heating season consisted of the following work tasks:

- URS prepared a mailing list for the NYSDEC and NYSDOH of the residences located within each outreach area.
- The NYSDOH generated a standard letter that was sent to each property owner and residence that described the sampling program and requested that owners interested in the SVI sampling program contact the NYSDOH or NYSDEC. A SVI fact sheet was included with each letter. In addition the letter and SVI fact sheet was translated into Spanish and Polish and a package containing all three languages was sent to each property in both study areas on January 29, 2009.
- The NYSDEC and NYSDOH conducted a public meeting on February 26, 2009 at the auditorium of Saint Cecelia's Church at 1 Monitor Street.
- URS contacted owners and/or tenants by telephone prior to and throughout the field investigation to determine interest in participating in the SVI sampling program. Only residential and residential/commercial property owners that accepted the offer for the SVI sampling were scheduled for sampling. For properties where the tenants were the initial contact, URS asked for the owner's information and encouraged the tenants to have the owners contact URS if they were unwilling to provide the owner's information. URS was able to provide multi-lingual personnel to discuss the SVI sampling program with owners/tenants over the telephone.
- URS independently and in conjunction with NYSDEC representatives and a representative of the New York City Department of Health and Mental Hygiene (NYC DOHMH) canvassed the neighborhood by going door-to-door to identify potential participants for the SVI sampling program from February 9 to 12, 2009. URS was able to provide multi-lingual personnel to discuss the SVI sampling program with owners/tenants during the door-to-door program.

- URS scheduled appointments for home surveys and indoor air sampling for the participating residences.
- URS conducted interviews with owners/tenants and completed indoor air quality questionnaires and building surveys. URS was able to provide multi-lingual personnel to conduct owner/tenant interviews and for completing indoor air quality questionnaires and building surveys.
- URS conducted an inventory of household chemicals present in the sampling area and evaluated their potential to affect air sample results.
- **URS collected SVI samples from 45 locations**, which consisted of 45 basement/lower level indoor air samples plus 5 field duplicates, and 45 subslab/crawl space soil vapor samples plus 5 field duplicates. During indoor air sampling, 39 outdoor air samples plus 5 field duplicates were also collected.

2.1 Indoor Air Investigation

URS conducted indoor air, outdoor air, and subslab vapor sampling at residences in the site area following procedures outlined in the Project Management Work Plan (PMWP) and budget estimate (URS, April 2007a); the Field Activities Plan (FAP) (URS, April 2007b) which includes the Field Sampling Plan (FSP) and Quality Assurance Project Plan (QAPP), and a Health and Safety Plan (HASP) (URS, April 2007c); and the *Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, Final, (NYSDOH, October 2006). The second phase of SVI sampling was conducted from March 2 through March 25, 2009. The following modifications to the indoor air investigation program were implemented based on discussions with the NYSDEC and NYSDOH:

- The FAP did not include the use of a tracer gas when collecting subslab samples for the SVI sampling program. The use of a tracer gas when collecting subslab samples was implemented into the program in order to measure the quality control of sample collection procedures.
- Pursuant to a February 8, 2008 e-mail agreement between the NYSDOH and NYSDEC, when a structure contains a basement or crawl space, the NYSDEC and NYSDOH no longer require that first floor samples be collected as part of the routine vapor intrusion sampling program. First floor samples will continue to be collected at slab-on-grade structures.

A total of 45 residential and residential/commercial structures were sampled in and around the two outreach areas. The owners of 172 residential and residential/commercial structures within the two outreach areas were offered sampling during the 2008/2009 SVI sampling program. Of the 45 residential and residential/commercial structures sampled during the 2008/2009 SVI sampling program, 35 were from within the outreach areas and 10 were residences outside the outreach areas.

The 10 structures sampled from outside the outreach areas were sampled because the owners contacted the NYSDOH requesting participation in the SVI sampling program. Residential and residential/commercial structures within the outreach areas were not sampled during the 2008/2009 SVI sampling program for one or more of the following reasons:

- The owners/tenants would not allow their homes to be sampled;
- The owners/tenants could not be contacted;
- The owners/tenants did not return multiple phone calls;
- Scheduling conflicts with the owners/tenants; and/or
- The homes were vacant during the sampling period.

2.1.1 Indoor Air Quality Survey and Questionnaire

Prior to sampling, URS and NYSDEC personnel conducted owner/tenant interviews and a building inventory of household chemicals. A RAE Systems ppbRAE Plus PGM 7240 part-per-billion (ppb)-range photoionization detector (PID) was used to screen indoor air and identify potential sources of volatile organic compounds (VOC) from household chemicals prior to collecting the air samples. During this inventory, a handout (Attachment B) was provided to the occupants that list activities that should be avoided prior to and during the air sampling.

2.1.2 Indoor Air and Outdoor Ambient Air Sampling

URS selected the indoor air sampling locations in consultation with each owners/tenants. Where possible, the indoor air locations were placed in the breathing zone (approximately three feet above the floor), central to the building and away from the foundation walls, appliances, and apparent penetrations.

All sampling was performed in accordance with the procedures outlined in the FAP (URS, April 2007b). The indoor air and outdoor air samples were collected using laboratory evacuated

liter Summa® canisters with 24 hour laboratory calibrated flow regulators. The regulators were calibrated at the flow rate of approximately 0.004 liters per minute (L/min). Upon opening the canister valve, the initial vacuum pressure was read from the built-in gauge on the flow controller and recorded onto a Summa® Canister Sampling Field Data Sheet. After the 24 hour sampling period, the canister vacuum was recorded on the Summa® Canister Sampling Field Data Sheet and the valve was then closed.

Outdoor air samples were typically collected at each residence on each day that indoor air sampling was taking place. All outdoor air samples were collected in the building's back yard for the purpose of canister security. The outdoor air samples were also collected over a 24-hour period concurrent with the indoor air samples and sub-slab samples. Only one outdoor air sample was collected if locations being sampled on the same day were in close proximity to each other. Thirty-nine outdoor air samples and five field duplicate samples were collected during the indoor air sampling.

Field duplicate samples were collected at locations H-11-09, H-16-09, H-28-09, H-33-09 and H-45-09. The indoor air and outdoor air field duplicates were collected by placing independently flow controlled canisters adjacent to each other.

2.1.3 Subslab Soil Vapor Sampling

URS selected the subslab sample collection location in each residence by observing the condition of the building floor slab for apparent penetrations such as concrete floor cracks, floor drains or sump holes. The location was ideally central to the building, away from the foundation walls, cracks, and apparent penetrations. The proposed location was reviewed with the owners/tenants and a description was given on how the sampling was to be performed. URS used a ppbRAE to screen indoor air and penetrations such as concrete floor cracks, floor drains, and sump holes prior to collecting the air samples.

At subslab samples locations an electric hammer drill was used to advance a one-inch diameter hole about one-inch deep into the concrete slab to create a "socket". A $\frac{1}{2}$ -inch diameter hole was then drilled through the remaining thickness of the concrete slab using a $\frac{1}{2}$ -inch drill bit. All concrete debris was removed using a broom to prevent it from entering the hole. Subslab

samples were collected through a $\frac{1}{8}$ inch inside diameter by $\frac{1}{4}$ inch outside diameter Teflon-lined polyethylene tubing which was inserted through the hole in the slab. The tubing was sealed to the concrete slab and "socket" with modeling clay.

A helium tracer gas was utilized during the sampling of each subslab soil vapor location. The tracer gas was used to evaluate whether indoor (ambient) air was short circuiting into the sample collection tubing. To perform the test, URS placed a two-quart enclosure over each sample location. The sample tubing was run through a hole in the enclosure and plumber's putty was used to seal the interface between the tubing and the enclosure. The enclosure was then sealed at the ground surface with a polyurethane foam gasket. A tank containing ultra high purity (UHP) helium [99.999 percent (%)] was connected to the side port of the enclosure and enough helium was released to displace any ambient air and to maintain a positive pressure within the enclosure. Following the application of the tracer gas, one liter of soil vapor was purged using a Gillian GilAir-3 air sample pump at a rate of approximately 0.02 L/min into a 1 liter Tedlar bag.

The contents of the tedlar bag were measured for helium using a Radiodetection/Dielectric MGD-2002 Multi-gas Detector. If the helium concentration was less than 10%, the tubing was connected to the Summa canister via the flow controller and sampling commenced. If the concentration of helium exceeded 10%, the clay seal between the sample tubing and the concrete slab was redone and the seal was retested. The contents of the Tedlar bag containing the subslab purged air were subsequently discharged outside the building.

Two adjacent residential buildings H-09-09 and H-11-09 shared a common crawlspace. The crawlspace beneath each building was sampled independently. The crawlspace at H-09-09 was sampled by running a Teflon lined tube through an access point into the crawlspace area. The crawlspace at location H-11-09 was sampled by placing the entire flow controlled canister into the crawlspace. The crawlspace access cover was then replaced.

The subslab/crawlspace samples were collected over a 24-hour period using 6-liter Summa® canisters equipped with flow controller valves pre-calibrated at the laboratory (i.e., calibrated at the flow rate of approximately 0.004 L/min). Upon opening the canister valve, the initial vacuum pressure was read from the built-in gauge on the flow controller and recorded onto a Summa® Canister Sampling Field Data Sheet. After the 24 hour sampling period, the canister vacuum was

recorded on the Summa® Canister Sampling Field Data Sheet and the valve was then closed. The subslab sample point was then filled to grade with hydraulic cement.

Field duplicate samples were collected at locations H-11-09, H-16-09, H-28-09, H-33-09 and H-45-09. The subslab and crawlspace field duplicates were collected through a common inlet connected to a stainless steel ‘T’ fitting. Tubing from each side of the ‘T’ was connected to an independent flow controlled canister.

All indoor, subslab, and outdoor air samples were shipped under chain-of-custody (COC) via Federal Express to Con-Test Analytical Laboratory (Con-Test), located in East Longmeadow, MA. Con-Test is a NYSDOH Environmental Laboratory Approval Program (ELAP) certified laboratory for the analysis of VOCs by USEPA Method TO-15. All indoor air, outdoor air, and subslab soil vapor samples were analyzed for the target compound list (TCL) VOCs listed in Table 1, to a minimum detection limit of 1.0 $\mu\text{g}/\text{m}^3$. TCE, carbon tetrachloride and vinyl chloride in all indoor and outdoor air samples were analyzed to a minimum detection limit of 0.25 $\mu\text{g}/\text{m}^3$.

3.0 RESULTS OF THE INVESTIGATION

3.1 Data Validation and Data Usability Summary Report

The data packages submitted by the laboratory were equivalent to the NYSDEC's Analytical Services Protocol (ASP) Category B Deliverable requirements. A Data Usability Summary Report (DUSR) was prepared following the guidelines provided in Department of Environmental Remediation (DER)-10 Technical Guidance For Site Investigation and Remediation, Draft, December 2002, *Guidance for the Development of Data Usability Summary Reports*. The complete validated analytical results and Form 1s are provided in the DUSR which has been included in Appendix C. The DUSR is provided in an Adobe Acrobat® portable document format (PDF) on a compact disk (CD).

Field duplicate results in general were in agreement with the parent sample. One exception was the subslab sample from location H-33-09 (sample IDs H-AS-33-09 and 031309-FD1). The relative percent differences (RPD) between the parent sample and field duplicate results in that sample location were as high as 186%. Table 3 in Appendix G lists the RPDs for all field duplicate results. At locations where a sample and a field duplicate sample are collected, the higher value is used for the evaluation of soil vapor intrusion.

3.2 Soil Vapor Intrusion Investigation Sampling Results

A summary of detected VOCs in the 2008/2009 samples is presented by location in Table 3. It should be noted that at locations where a field duplicate sample was collected, the higher value was used for evaluation. Indoor air and sub-slab analytical results were compared to Matrix 1 and Matrix 2 (NYSDOH Soil Vapor Intrusion Guidance, October 2006), which may be found in Appendix A. This was done to assess current and potential future exposures at each residence sampled. Based on this guidance, locations H-05-09, H-25-09 and H-33-09 had concentrations of PCE and/or TCE that fell under the "Mitigate" category. Locations H-26-09 and H-30-09 had concentrations of PCE and/or TCE that fell under the "Monitor" category. It should be noted that the TCE detection at location H-26-09 can be considered marginal, as the indoor and outdoor air samples contained similar concentrations. All other locations sampled had "Take reasonable and practical actions to identify source(s) and reduce exposure" or "No further action" recommendations.

The results for TCE frequently resulted in a recommended action of “Take reasonable and practical actions to identify source(s) and reduce exposures.” TCE was frequently detected in the outdoor air at an average concentration of 0.968 $\mu\text{g}/\text{m}^3$, approximately the same average concentration as found in the indoor air samples (1.13 $\mu\text{g}/\text{m}^3$). The NYSDEC and NYSDOH will further evaluate these data and other data in order to determine what actions, if any, are necessary.

A statistical summary of the outdoor air, indoor air and subslab sample results can be found in Tables 4, 5, and 6, respectively. The tables list the number of locations sampled, minimum detected value, maximum detected value, average detected value and standard deviation of the detected values, along with the location of the maximum value. It should be noted that the number of detections includes field duplicate samples while the number of samples corresponds to the number of locations sampled, therefore the number of detections may be greater than the number of samples.

PCE was detected in 43 of the 45 subslab locations and 42 of the 45 indoor air locations sampled. PCE results in the subslab samples ranged from not detected to 4,200 $\mu\text{g}/\text{m}^3$, with the highest concentration at H-25-09. Indoor air results for PCE ranged from not detected to 170 $\mu\text{g}/\text{m}^3$, with the highest concentration at H-25-09. Outdoor air results for PCE ranged from 0.30 $\mu\text{g}/\text{m}^3$ to 4.3 $\mu\text{g}/\text{m}^3$, with the highest concentration at H-29-09.

TCE was detected in 28 of the 45 subslab locations and 24 of the 45 indoor air locations sampled. TCE results in the subslab samples ranged from not detected to 300 $\mu\text{g}/\text{m}^3$, with the highest concentration at location H-25-09. Indoor air results for TCE ranged from not detected to 12 $\mu\text{g}/\text{m}^3$, with the highest concentration at location H-25-09. Outdoor air results for TCE ranged from not detected to 6.7 $\mu\text{g}/\text{m}^3$, with the highest concentration at location H-28-09.

Cis-1,2-dichloroethene was detected in 4 of the 45 subslab locations and 4 of the 45 indoor air locations sampled. Cis-1,2-dichloroethene results in the subslab samples ranged from not detected to 150 $\mu\text{g}/\text{m}^3$, with the highest concentration at H-25-09. Indoor air results for cis-1,2-dichloroethene ranged from not detected to 8.1 $\mu\text{g}/\text{m}^3$, with the highest concentration at H-25-09. Cis-1,2-dichloroethene was not detected in the outdoor air samples.

Vinyl chloride was detected in 2 of the 45 subslab locations and 2 of the 45 indoor air locations sampled. Vinyl chloride results in the subslab samples ranged from not detected to 11 µg/m³, with the highest concentration at location H-33-09. Indoor air results for vinyl chloride ranged from not detected to 0.76 µg/m³, with the highest concentration at location H-25-09. Vinyl chloride was not detected in the outdoor air samples.

1,1,1-TCA was detected in 13 of the 45 subslab locations and 7 of the 45 indoor air locations sampled. 1,1,1-TCA results in the subslab samples ranged from not detected to 55 µg/m³, with the highest concentration at H-45-09. Indoor air results for 1,1,1-TCA ranged from not detected to 2.4 µg/m³ at H-06-09. 1,1,1-TCA was not detected in the outdoor air samples.

1,1-DCE was detected in 3 of the 45 subslab locations. 1,1-DCE results in the subslab samples ranged from not detected to 2.1 µg/m³, with the highest concentration at H-45-09. 1,1-DCE was not detected in the indoor air or outdoor air samples.

Several other VOCs were also detected in the samples. However, none of these compounds are contaminants of concern at this site and/or are addressed by the current NYSDOH guidance action matrices or indoor air guidelines.

The analytical results were compared against the household product inventories. Products most commonly encountered were paints, paint thinners and strippers, lubricants (e.g., WD-40), cleaning supplies (e.g., laundry detergent, household bleach), and insecticides. The product contents include petroleum distillates, glycols, methylene chloride, acetone, toluene, and xylene. Based on the PID screening during product inventory, the presence of these products did not appear to contribute to the presence of chlorinated compounds of interest in the indoor air samples.

4.0 FUTURE ACTIVITIES

4.1 Residential Mitigation and Monitoring

The NYSDEC and NYSDOH will further evaluate the vapor intrusion sampling results from the 2008/2009 heating season. The NYSDEC and NYSDOH may recommend that additional new residences be sampled, continued monitoring be performed on some residences, or that mitigation systems be installed in some of the residences sampled during this and previous field investigations.

5.0 REFERENCES

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URS Corporation. (URS) 2007a. *Project Management Work Plan, Site #2-24-121, Meeker Avenue Plume Trackdown, Greenpoint Section of Brooklyn, Kings County, New York.* Final. April.

URS 2007b. *Field Activities Plan, Site #2-24-121, Meeker Avenue Plume Trackdown, Greenpoint Section of Brooklyn, Kings County, New York.* Final. April.

URS 2007c. *Health And Safety Plan, Site #2-24-121, Meeker Avenue Plume Trackdown, Greenpoint Section of Brooklyn, Kings County, New York.* Final. April.

URS 2008a. *Phase II Data Summary Report, Site #2-24-121, Meeker Avenue Plume Trackdown, Greenpoint/East Williamsburg Industrial Area, Kings County, New York.* Final. April.

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URS 2009. *Phase IV Data Summary Report, Site #2-24-121, Meeker Avenue Plume Trackdown, Greenpoint/East Williamsburg Industrial Area, Kings County, New York.* Final. May.

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TABLES

TABLE 1
SUMMARY OF PARAMETERS ANALYZED
IN
SUBSLAB, INDOOR, AND OUTDOOR AIR SAMPLES
BY USEPA METHODS TO-15
MEEKER AVENUE PLUME TRACKDOWN

1,1,1-Trichloroethane (1,1,1-TCA)	Bromomethane
1,1,2,2-Tetrachloroethane	Carbon disulfide
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	Carbon tetrachloride #
1,1,2-Trichloroethane	Chlorobenzene
*1,1-Dichloroethane (1,1-DCA)	*Chloroethane
*1,1-Dichloroethene (1,1-DCE)	Chloroform
1,2,4-Trichlorobenzene	Chloromethane
1,2-Dibromo-3-chloropropane	Cyclohexane
1,2-Dibromoethane (Ethylene dibromide)	Dibromochloromethane
1,2-Dichlorobenzene	Dichlorodifluoromethane (Freon 12)
*1,2-Dichloroethane (1,2-DCA)	Ethylbenzene
*cis-1,2-Dichloroethene (cis-1,2-DCE)	Isopropylbenzene (Cumene)
*trans-1,2-Dichloroethene (trans-1,2-DCE)	Methyl acetate
1,2-Dichloropropane	Methyl ethyl ketone (2-Butanone)
1,3-Dichlorobenzene	Methyl tert-butyl ether
cis-1,3-Dichloropropene	Methylcyclohexane
trans-1,3-Dichloropropene	Methylene chloride
1,4-Dichlorobenzene	Styrene
2-Hexanone	*Tetrachloroethene (PCE)
4-Methyl-2-pentanone	Toluene
Acetone	*Trichloroethene (TCE) #
Benzene	Trichlorofluoromethane (Freon 11)
Bromodichloromethane	*Vinyl chloride (VC) #
Bromoform	Xylene (total)

USEPA Method TO-15, VOCs in Air Collected in SUMMA® Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS): USEPA Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, January 1999.

*- Tetrachloroethene and its breakdown products.

- The minimum reporting limit in all indoor and outdoor air samples for these compounds is 0.25 microgram per cubic meter ($\mu\text{g}/\text{m}^3$); the reporting limits for all other compounds are at least 1 $\mu\text{g}/\text{m}^3$. The minimum reporting limit for all compounds in subslab samples is 1 $\mu\text{g}/\text{m}^3$.

TABLE 2
2007/2008 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-01	H-01	H-01	H-02	H-02
Sample ID	H-AA-01	H-BS-01	H-AS-01	H-AA-02	H-BS-02
Matrix	Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air	Indoor Air
Depth Interval (ft)	-	-	-	-	-
Date Sampled	02/25/08	02/25/08	02/25/08	02/26/08	02/26/08
Parameter	Units				
Volatile Organic Compounds					
1,1,1-Trichloroethane	UG/M3		1.4	40	
1,1,2,2-Tetrachloroethane	UG/M3				
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	1.5	0.59	0.88	0.59
1,1-Dichloroethane	UG/M3				
1,1-Dichloroethene	UG/M3				
1,2-Dichlorobenzene	UG/M3				
1,2-Dichloroethane	UG/M3				
1,2-Dichloroethene (cis)	UG/M3				
1,2-Dichloroethene (trans)	UG/M3	0.24	0.31	1.1	
1,3-Dichlorobenzene	UG/M3			0.35	
1,4-Dichlorobenzene	UG/M3	0.74	0.63	0.67	0.47
2-Hexanone	UG/M3				
4-Methyl-2-pentanone	UG/M3	0.72	1.1		0.70
Acetone	UG/M3	11 J	26 J		6.1 J
Benzene	UG/M3	1.6	2.2	0.60	1.5
Carbon disulfide	UG/M3			0.64	
Carbon tetrachloride	UG/M3	0.54	0.54	2.8	0.50
Chloroform	UG/M3		0.70	47	
Chloromethane	UG/M3	1.4	1.7		1.3
Cyclohexane	UG/M3	0.42	1.0	10	0.46
Dichlorodifluoromethane	UG/M3	1.5	1.4	1.6	1.5
Ethylbenzene	UG/M3	1.1	2.0	0.98	0.76
Isopropylbenzene (Cumene)	UG/M3				

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 2
2007/2008 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-01	H-01	H-01	H-02	H-02
Sample ID	H-AA-01	H-BS-01	H-AS-01	H-AA-02	H-BS-02
Matrix	Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air	Indoor Air
Depth Interval (ft)	-	-	-	-	-
Date Sampled	02/25/08	02/25/08	02/25/08	02/26/08	02/26/08
Parameter	Units				
Volatile Organic Compounds					
Methyl acetate	UG/M3				
Methyl ethyl ketone (2-Butanone)	UG/M3	4.4	14	4.3	2.6
Methyl tert-butyl ether	UG/M3	0.15	0.41		
Methylcyclohexane	UG/M3	0.66	1.5	53 D	0.65
Methylene chloride	UG/M3		120 D		
Styrene	UG/M3	0.24 J	0.52 J	0.43 J	0.23 J
Tetrachloroethene	UG/M3	0.88	1.4	310 D	0.73
Toluene	UG/M3	7.6	13	6.2	5.2
Trichloroethene	UG/M3	5.5	6.9	84	1.2
Trichlorofluoromethane	UG/M3	2.7 J	2.2 J	1.3 J	1.8 J
Xylene (total)	UG/M3	5.0	9.2	5.6	3.3
					5.0

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 2
2007/2008 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-02	H-03	H-03	H-03	H-03
Sample ID		H-AS-02	H-AA-03	H-AS-03	H-AA-03	H-BS-03
Matrix		Subslab Vapor	Outdoor Air	Subslab Vapor	Outdoor Air	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/26/08	02/26/08	02/26/08	03/12/08	03/12/08
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3	5.5		400 D		0.96
1,1,2,2-Tetrachloroethane	UG/M3					
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	1.1	1.5	9.3	0.62	1.0
1,1-Dichloroethane	UG/M3			5.5		
1,1-Dichloroethene	UG/M3			27		
1,2-Dichlorobenzene	UG/M3					
1,2-Dichloroethane	UG/M3					
1,2-Dichloroethene (cis)	UG/M3			6.5		
1,2-Dichloroethene (trans)	UG/M3	1.1		2.6		
1,3-Dichlorobenzene	UG/M3			0.61		
1,4-Dichlorobenzene	UG/M3	0.42	0.41			
2-Hexanone	UG/M3				0.81	1.2
4-Methyl-2-pentanone	UG/M3	1.1	0.91	1.3	0.59	0.93
Acetone	UG/M3	9.3 J	12 J	13 J	9.7 J	14 J
Benzene	UG/M3	0.26	1.3	2.1	1.1	1.5
Carbon disulfide	UG/M3	1.1		1.4		
Carbon tetrachloride	UG/M3	0.51	0.54	1.2	0.45	0.46
Chloroform	UG/M3	0.61		16		0.36
Chloromethane	UG/M3		1.7	1.0	0.55 J	0.66 J
Cyclohexane	UG/M3		0.55	2.0	6.2	5.6
Dichlorodifluoromethane	UG/M3	1.9	1.5	8.8	0.77	0.91
Ethylbenzene	UG/M3	0.42	0.84	2.0	0.25	0.43
Isopropylbenzene (Cumene)	UG/M3					

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 2
2007/2008 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-02	H-03	H-03	H-03	H-03
Sample ID		H-AS-02	H-AA-03	H-AS-03	H-AA-03	H-BS-03
Matrix		Subslab Vapor	Outdoor Air	Subslab Vapor	Outdoor Air	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/26/08	02/26/08	02/26/08	03/12/08	03/12/08
Parameter	Units					
Volatile Organic Compounds						
Methyl acetate	UG/M3				2.0	2.3
Methyl ethyl ketone (2-Butanone)	UG/M3	3.9	5.4	4.9	4.1	7.5
Methyl tert-butyl ether	UG/M3					
Methylcyclohexane	UG/M3			3.0		0.69
Methylene chloride	UG/M3				1.0	1.4
Styrene	UG/M3		0.24 J	0.72 J	0.44	0.60
Tetrachloroethene	UG/M3	51	0.87	4,100 D	0.33	2.6
Toluene	UG/M3	2.2	6.1	11	4.8	6.2
Trichloroethene	UG/M3	1.6	1.9	1,300 D		0.55
Trichlorofluoromethane	UG/M3	2.5 J	2.5 J	18,000 D	1.2	2.7
Xylene (total)	UG/M3	2.4	3.7	11	1.1	1.9

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 2
2007/2008 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-04	H-04	H-05	H-05	H-06
Sample ID	H-BS-04	H-AS-04	H-AS-05	H-BS-05	H-AA-06
Matrix	Indoor Air	Subslab Vapor	Subslab Vapor	Indoor Air	Outdoor Air
Depth Interval (ft)	-	-	-	-	-
Date Sampled	02/26/08	02/26/08	02/26/08	03/12/08	02/27/08
Parameter	Units				
Volatile Organic Compounds					
1,1,1-Trichloroethane	UG/M3	0.48	210 J	120	0.45
1,1,2,2-Tetrachloroethane	UG/M3				
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.62	3.0	3.9	1.4
1,1-Dichloroethane	UG/M3			1.7	0.18
1,1-Dichloroethene	UG/M3				
1,2-Dichlorobenzene	UG/M3			0.61	
1,2-Dichloroethane	UG/M3				
1,2-Dichloroethene (cis)	UG/M3				
1,2-Dichloroethene (trans)	UG/M3		1.4	1.1	
1,3-Dichlorobenzene	UG/M3				
1,4-Dichlorobenzene	UG/M3	0.73	0.67	0.75	0.46
2-Hexanone	UG/M3				1.1
4-Methyl-2-pentanone	UG/M3	1.5	0.61	1.1	0.67
Acetone	UG/M3	23 J	6.4 J	8.4 J	10 J
Benzene	UG/M3	2.2	0.56	0.70	1.0
Carbon disulfide	UG/M3		2.5		
Carbon tetrachloride	UG/M3	0.55			0.46
Chloroform	UG/M3	0.75	2.0	31	0.48
Chloromethane	UG/M3	1.7			0.53 J
Cyclohexane	UG/M3	1.7	0.44	0.72	0.36
Dichlorodifluoromethane	UG/M3	1.7	2.7	4.2	0.81
Ethylbenzene	UG/M3	3.2	1.4	0.88	0.41
Isopropylbenzene (Cumene)	UG/M3	0.52			

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 2
2007/2008 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-04	H-04	H-05	H-05	H-06
Sample ID	H-BS-04	H-AS-04	H-AS-05	H-BS-05	H-AA-06
Matrix	Indoor Air	Subslab Vapor	Subslab Vapor	Indoor Air	Outdoor Air
Depth Interval (ft)	-	-	-	-	-
Date Sampled	02/26/08	02/26/08	02/26/08	03/12/08	02/27/08
Parameter	Units				
Volatile Organic Compounds					
Methyl acetate	UG/M3	0.86 J			
Methyl ethyl ketone (2-Butanone)	UG/M3	5.1		4.5	
Methyl tert-butyl ether	UG/M3				
Methylcyclohexane	UG/M3	3.5		1.6	
Methylene chloride	UG/M3	6.6		33	0.82
Styrene	UG/M3	0.36 J		0.22	
Tetrachloroethene	UG/M3	5.3	2,700 D	19,000 D	1.2
Toluene	UG/M3	18	4.8	4.0	7.4
Trichloroethene	UG/M3	1.6	190 J	650 D	
Trichlorofluoromethane	UG/M3	1.7 J	98 J	340 J	1.4
Xylene (total)	UG/M3	14	8.0	4.8	1.8
					0.63

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 2
2007/2008 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-06	H-06	H-07	H-07	H-07
Sample ID	H-BS-06	H-AS-06	H-AA-07	H-BS-07	H-AS-07
Matrix	Indoor Air	Subslab Vapor	Outdoor Air	Indoor Air	Subslab Vapor
Depth Interval (ft)	-	-	-	-	-
Date Sampled	02/27/08	02/27/08	02/27/08	02/27/08	02/27/08
Parameter	Units				
Volatile Organic Compounds					
1,1,1-Trichloroethane	UG/M3		580		68
1,1,2,2-Tetrachloroethane	UG/M3				
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.51	9.5	0.55	0.56
1,1-Dichloroethane	UG/M3		41		
1,1-Dichloroethene	UG/M3		30		0.74
1,2-Dichlorobenzene	UG/M3				
1,2-Dichloroethane	UG/M3				
1,2-Dichloroethene (cis)	UG/M3		39		
1,2-Dichloroethene (trans)	UG/M3		15		0.98
1,3-Dichlorobenzene	UG/M3				
1,4-Dichlorobenzene	UG/M3				
2-Hexanone	UG/M3				
4-Methyl-2-pentanone	UG/M3	0.36			0.70
Acetone	UG/M3	6.9 J	15 J	7.2 J	18 J
Benzene	UG/M3	0.88	4.0	1.0	1.5
Carbon disulfide	UG/M3				0.17
Carbon tetrachloride	UG/M3	0.47	7.2	0.49	0.50
Chloroform	UG/M3		33		1.5
Chloromethane	UG/M3	1.0		1.9	1.6
Cyclohexane	UG/M3	0.23	3.4	0.59	2.8
Dichlorodifluoromethane	UG/M3	1.1		1.3	1.3
Ethylbenzene	UG/M3	0.31		0.44	1.3
Isopropylbenzene (Cumene)	UG/M3				0.90

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 2
2007/2008 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-06	H-06	H-07	H-07	H-07
Sample ID	H-BS-06	H-AS-06	H-AA-07	H-BS-07	H-AS-07
Matrix	Indoor Air	Subslab Vapor	Outdoor Air	Indoor Air	Subslab Vapor
Depth Interval (ft)	-	-	-	-	-
Date Sampled	02/27/08	02/27/08	02/27/08	02/27/08	02/27/08
Parameter	Units				
Volatile Organic Compounds					
Methyl acetate	UG/M3				
Methyl ethyl ketone (2-Butanone)	UG/M3				
Methyl tert-butyl ether	UG/M3				
Methylcyclohexane	UG/M3			3.6	
Methylene chloride	UG/M3	0.72		35	
Styrene	UG/M3		0.22	0.39	
Tetrachloroethene	UG/M3	4.3	70,000 D	0.28	1.4
Toluene	UG/M3	4.7	25	2.8	9.5
Trichloroethene	UG/M3	0.41	3,300		13
Trichlorofluoromethane	UG/M3	11	13,000 D	1.4	0.90
Xylene (total)	UG/M3	1.8	5.8	2.0	5.3
					5.1

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 2
2007/2008 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-08	H-08	H-08	H-09	H-09
Sample ID	H-AA-08	H-BS-08	H-AS-08	H-BS-09	H-AS-09
Matrix	Outdoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)	-	-	-	-	-
Date Sampled	02/28/08	02/28/08	02/28/08	02/28/08	02/28/08
Parameter	Units				
Volatile Organic Compounds					
1,1,1-Trichloroethane	UG/M3		2.6	0.37	310
1,1,2,2-Tetrachloroethane	UG/M3				
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.55	0.76	0.98	0.49
1,1-Dichloroethane	UG/M3				12
1,1-Dichloroethene	UG/M3				20
1,2-Dichlorobenzene	UG/M3				
1,2-Dichloroethane	UG/M3		0.60		
1,2-Dichloroethene (cis)	UG/M3				2.1
1,2-Dichloroethene (trans)	UG/M3			0.50	1.3
1,3-Dichlorobenzene	UG/M3				
1,4-Dichlorobenzene	UG/M3	0.32	3.7	0.95	0.36
2-Hexanone	UG/M3				
4-Methyl-2-pentanone	UG/M3	0.29	0.68		0.38
Acetone	UG/M3	4.9 J	19 J	8.4 J	9.6 J
Benzene	UG/M3	0.99	1.6	0.46	1.5
Carbon disulfide	UG/M3				1.5
Carbon tetrachloride	UG/M3	0.48	0.52	0.78	0.54
Chloroform	UG/M3		1.4		1.0
Chloromethane	UG/M3	1.7	1.8		1.3
Cyclohexane	UG/M3	0.37	1.1		0.79
Dichlorodifluoromethane	UG/M3	1.4	7.0	4.7	1.2
Ethylbenzene	UG/M3	0.53	1.8	0.98	1.7
Isopropylbenzene (Cumene)	UG/M3				2.0

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 2
2007/2008 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-08	H-08	H-08	H-09	H-09
Sample ID		H-AA-08	H-BS-08	H-AS-08	H-BS-09	H-AS-09
Matrix		Outdoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/28/08	02/28/08	02/28/08	02/28/08	02/28/08
Parameter	Units					
Volatile Organic Compounds						
Methyl acetate	UG/M3		0.71		0.72	
Methyl ethyl ketone (2-Butanone)	UG/M3		27	6.3	14	
Methyl tert-butyl ether	UG/M3					
Methylcyclohexane	UG/M3		1.7		0.90	
Methylene chloride	UG/M3		3.7		1.4	
Styrene	UG/M3		0.54		0.34	
Tetrachloroethene	UG/M3	0.67	12	1,700 D	6.7	11,000 D
Toluene	UG/M3	3.7	17	4.0	14	5.0
Trichloroethene	UG/M3		0.28	1.2	0.27	300
Trichlorofluoromethane	UG/M3	1.3	1.3	1.6	1.2	3.8
Xylene (total)	UG/M3	2.3	7.5	4.7	7.5	8.3

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 2
2007/2008 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-10	H-10	H-10	H-11	H-11
Sample ID	H-AA-10	H-BS-10	H-AS-10	0229-FD3	H-AA-11
Matrix	Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air	Outdoor Air
Depth Interval (ft)	-	-	-	-	-
Date Sampled	02/28/08	02/28/08	02/28/08	02/29/08	02/29/08
Parameter	Units			Field Duplicate (1-1)	
Volatile Organic Compounds					
1,1,1-Trichloroethane	UG/M3		150		
1,1,2,2-Tetrachloroethane	UG/M3		0.85		
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.50	0.52	48	0.55
1,1-Dichloroethane	UG/M3			2.6	
1,1-Dichloroethene	UG/M3			1.8	
1,2-Dichlorobenzene	UG/M3				
1,2-Dichloroethane	UG/M3				
1,2-Dichloroethene (cis)	UG/M3				
1,2-Dichloroethene (trans)	UG/M3			1.0	
1,3-Dichlorobenzene	UG/M3				
1,4-Dichlorobenzene	UG/M3				0.25
2-Hexanone	UG/M3				
4-Methyl-2-pentanone	UG/M3	0.24		0.88	0.56
Acetone	UG/M3	4.5 J	8.1 J	15 J	5.1 J
Benzene	UG/M3	1.0	1.4	1.4	0.68
Carbon disulfide	UG/M3				
Carbon tetrachloride	UG/M3	0.44	0.45	6.2	0.48
Chloroform	UG/M3		0.31	14	
Chloromethane	UG/M3	1.1	1.5		1.1
Cyclohexane	UG/M3	0.45	0.84	0.89	0.18
Dichlorodifluoromethane	UG/M3	0.95	0.92	2.5	0.95
Ethylbenzene	UG/M3	0.40	0.33	0.93	0.28
Isopropylbenzene (Cumene)	UG/M3				0.27

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 2
2007/2008 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-10	H-10	H-10	H-11	H-11
Sample ID		H-AA-10	H-BS-10	H-AS-10	0229-FD3	H-AA-11
Matrix		Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/28/08	02/28/08	02/28/08	02/29/08	02/29/08
Parameter	Units				Field Duplicate (1-1)	
Volatile Organic Compounds						
Methyl acetate	UG/M3					
Methyl ethyl ketone (2-Butanone)	UG/M3					
Methyl tert-butyl ether	UG/M3					
Methylcyclohexane	UG/M3		0.76	3.2		
Methylene chloride	UG/M3	0.89	3.9	10	1.4	4.9
Styrene	UG/M3					
Tetrachloroethene	UG/M3	0.36	1.0	1,300 JD	0.84	0.70
Toluene	UG/M3	3.8	6.7	3.6	3.5	3.6
Trichloroethene	UG/M3			110		
Trichlorofluoromethane	UG/M3	1.1	1.1	3.3	1.1	1.4
Xylene (total)	UG/M3	2.0	1.2	3.7	1.2	1.0

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 2
2007/2008 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-11	H-11	H-11	H-11	H-12
Sample ID		0229-FD2	H-BS-11	0229-FD1	H-AS-11	H-AA-12
Matrix		Indoor Air	Indoor Air	Subslab Vapor	Subslab Vapor	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/29/08	02/29/08	02/29/08	02/29/08	03/05/08
Parameter	Units	Field Duplicate (1-1)		Field Duplicate (1-1)		
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3			37	38	
1,1,2,2-Tetrachloroethane	UG/M3					
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.57	0.50			0.55
1,1-Dichloroethane	UG/M3					
1,1-Dichloroethene	UG/M3					
1,2-Dichlorobenzene	UG/M3					
1,2-Dichloroethane	UG/M3					
1,2-Dichloroethene (cis)	UG/M3					
1,2-Dichloroethene (trans)	UG/M3					
1,3-Dichlorobenzene	UG/M3					
1,4-Dichlorobenzene	UG/M3	0.44	0.94			
2-Hexanone	UG/M3					0.48
4-Methyl-2-pentanone	UG/M3	0.81	1.1			0.53
Acetone	UG/M3	15 J	13 J	14 J	12 J	5.6 J
Benzene	UG/M3	1.8	3.8	0.73	0.77	0.98
Carbon disulfide	UG/M3					
Carbon tetrachloride	UG/M3	0.49	0.48	1.2	1.2	0.44
Chloroform	UG/M3	0.57	0.45	90	91	
Chloromethane	UG/M3	1.9	2.3			1.2
Cyclohexane	UG/M3	0.73	2.5			0.41
Dichlorodifluoromethane	UG/M3	1.1	1.0	1.2	1.6	0.92
Ethylbenzene	UG/M3	0.73	2.8	0.51	0.51	0.58
Isopropylbenzene (Cumene)	UG/M3					

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 2
2007/2008 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-11	H-11	H-11	H-11	H-12
Sample ID		0229-FD2	H-BS-11	0229-FD1	H-AS-11	H-AA-12
Matrix		Indoor Air	Indoor Air	Subslab Vapor	Subslab Vapor	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/29/08	02/29/08	02/29/08	02/29/08	03/05/08
Parameter	Units	Field Duplicate (1-1)		Field Duplicate (1-1)		
Volatile Organic Compounds						
Methyl acetate	UG/M3					
Methyl ethyl ketone (2-Butanone)	UG/M3	5.8	5.1			
Methyl tert-butyl ether	UG/M3					
Methylcyclohexane	UG/M3	0.67	1.7			
Methylene chloride	UG/M3	2.6	1.5	0.69		1.4
Styrene	UG/M3	0.72	8.1			
Tetrachloroethene	UG/M3	5.3	5.1	160	160	0.73
Toluene	UG/M3	6.4	19	1.4	1.2	7.1
Trichloroethene	UG/M3		0.71	27	28	0.28
Trichlorofluoromethane	UG/M3	2.2	1.9	2.2	2.0	0.95
Xylene (total)	UG/M3	3.1	8.7	2.3	2.1	2.3

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 2
2007/2008 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-12	H-12
Sample ID		H-BS-12	H-AS-12
Matrix		Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-
Date Sampled		03/05/08	03/05/08
Parameter	Units		
Volatile Organic Compounds			
1,1,1-Trichloroethane	UG/M3		62
1,1,2,2-Tetrachloroethane	UG/M3		
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.58	31
1,1-Dichloroethane	UG/M3		4.1
1,1-Dichloroethene	UG/M3		2.5
1,2-Dichlorobenzene	UG/M3		
1,2-Dichloroethane	UG/M3		
1,2-Dichloroethene (cis)	UG/M3		
1,2-Dichloroethene (trans)	UG/M3		
1,3-Dichlorobenzene	UG/M3		
1,4-Dichlorobenzene	UG/M3	0.34	
2-Hexanone	UG/M3		0.79
4-Methyl-2-pentanone	UG/M3	0.67	0.63
Acetone	UG/M3	12 J	
Benzene	UG/M3	9.9	1.1
Carbon disulfide	UG/M3	0.14	0.88
Carbon tetrachloride	UG/M3	0.48	6.4
Chloroform	UG/M3	0.86	11
Chloromethane	UG/M3	1.4	
Cyclohexane	UG/M3	4.9	
Dichlorodifluoromethane	UG/M3	1.1	1.6
Ethylbenzene	UG/M3	0.92	1.8
Isopropylbenzene (Cumene)	UG/M3		5.2

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 2
2007/2008 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-12	H-12
Sample ID	H-BS-12	H-AS-12
Matrix	Indoor Air	Subslab Vapor
Depth Interval (ft)	-	-
Date Sampled	03/05/08	03/05/08
Parameter	Units	
Volatile Organic Compounds		
Methyl acetate	UG/M3	
Methyl ethyl ketone (2-Butanone)	UG/M3	3.5
Methyl tert-butyl ether	UG/M3	
Methylcyclohexane	UG/M3	6.7
Methylene chloride	UG/M3	1.9
Styrene	UG/M3	0.29
Tetrachloroethene	UG/M3	2.8
Toluene	UG/M3	11
Trichloroethene	UG/M3	0.64
Trichlorofluoromethane	UG/M3	1.0
Xylene (total)	UG/M3	2,600 D
		2.7
		9.6

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-01-09	H-01-09	H-01-09	H-02-09	H-02-09
Sample ID	H-AA-01-09	H-BS-01-09	H-AS-01-09	H-AA-02-09	H-BS-02-09
Matrix	Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air	Indoor Air
Depth Interval (ft)	-	-	-	-	-
Date Sampled	03/03/09	03/03/09	03/03/09	03/03/09	03/03/09
Parameter	Units				
Volatile Organic Compounds					
1,1,1-Trichloroethane	UG/M3				
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.50	0.46		0.52
1,1,2-Trichloroethane	UG/M3				
1,1-Dichloroethane	UG/M3				
1,1-Dichloroethene	UG/M3				
1,2-Dichloroethane	UG/M3				
1,2-Dichloroethene (cis)	UG/M3				
1,2-Dichloroethene (trans)	UG/M3				
1,3-Dichlorobenzene	UG/M3			0.75	
1,4-Dichlorobenzene	UG/M3			2.9	
2-Hexanone	UG/M3		0.19		0.17
4-Methyl-2-pentanone	UG/M3	0.19	0.21		0.23
Acetone	UG/M3		8.3	21	7.8
Benzene	UG/M3	0.63	0.87	1.7	0.59
Bromodichloromethane	UG/M3				
Bromomethane	UG/M3				
Carbon disulfide	UG/M3			17	
Carbon tetrachloride	UG/M3	0.63	0.63		0.61
Chloroethane	UG/M3				
Chloroform	UG/M3				
Chloromethane	UG/M3	1.1	1.1	0.31	1.1
Cyclohexane	UG/M3		0.51		0.67
Dibromochloromethane	UG/M3				

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-01-09	H-01-09	H-01-09	H-02-09	H-02-09
Sample ID	H-AA-01-09	H-BS-01-09	H-AS-01-09	H-AA-02-09	H-BS-02-09
Matrix	Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air	Indoor Air
Depth Interval (ft)	-	-	-	-	-
Date Sampled	03/03/09	03/03/09	03/03/09	03/03/09	03/03/09
Parameter	Units				
Volatile Organic Compounds					
Dichlorodifluoromethane	UG/M3	2.7	2.6	2.7	2.6
Ethylbenzene	UG/M3	0.21	0.31	7.1	1.9
Isopropylbenzene (Cumene)	UG/M3				
Methyl acetate	UG/M3				
Methyl ethyl ketone (2-Butanone)	UG/M3		5.4	3.0	1.6
Methyl tert-butyl ether	UG/M3				
Methylcyclohexane	UG/M3			2.9	1.5
Methylene chloride	UG/M3	0.89	1.3	1.6	1.3
Styrene	UG/M3				0.49
Tetrachloroethene	UG/M3	0.31		0.30	0.61
Toluene	UG/M3	2.4	3.2	27	2.1
Trichloroethene	UG/M3				
Trichlorofluoromethane	UG/M3	1.7	1.7	2.0	1.7
Vinyl chloride	UG/M3				
Xylene (total)	UG/M3	1.0	1.8	45	0.47
					9.4

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-02-09	H-03-09	H-03-09	H-04-09	H-04-09
Sample ID		H-AS-02-09	H-BS-03-09	H-AS-03-09	H-AA-04-09	H-BS-04-09
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor	Outdoor Air	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/03/09	03/03/09	03/03/09	03/04/09	03/04/09
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3					
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3		0.50		0.53	0.50
1,1,2-Trichloroethane	UG/M3					
1,1-Dichloroethane	UG/M3					
1,1-Dichloroethene	UG/M3					
1,2-Dichloroethane	UG/M3					
1,2-Dichloroethene (cis)	UG/M3					
1,2-Dichloroethene (trans)	UG/M3					
1,3-Dichlorobenzene	UG/M3					
1,4-Dichlorobenzene	UG/M3	4.2		3.0		
2-Hexanone	UG/M3		0.25			
4-Methyl-2-pentanone	UG/M3		0.28		0.25	
Acetone	UG/M3	14	8.1	29	6.4	10
Benzene	UG/M3	5.9	0.72	1.3	0.71	0.77
Bromodichloromethane	UG/M3					
Bromomethane	UG/M3					
Carbon disulfide	UG/M3	1.5		0.84		
Carbon tetrachloride	UG/M3		0.61		0.62	0.67
Chloroethane	UG/M3					
Chloroform	UG/M3	2.5	0.33			0.25
Chloromethane	UG/M3	0.77	1.1	0.33	1.2	1.1
Cyclohexane	UG/M3					
Dibromochloromethane	UG/M3					

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-02-09	H-03-09	H-03-09	H-04-09	H-04-09
Sample ID		H-AS-02-09	H-BS-03-09	H-AS-03-09	H-AA-04-09	H-BS-04-09
Matrix		Subslab Vapor	Indoor Air	Subslab Vapor	Outdoor Air	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/03/09	03/03/09	03/03/09	03/04/09	03/04/09
Parameter	Units					
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	2.6	2.6	2.7	2.7	2.6
Ethylbenzene	UG/M3	9.3		6.3	0.24	0.48
Isopropylbenzene (Cumene)	UG/M3					
Methyl acetate	UG/M3					
Methyl ethyl ketone (2-Butanone)	UG/M3	2.1	1.7	3.3	1.3	1.6
Methyl tert-butyl ether	UG/M3					
Methylcyclohexane	UG/M3	1.3				
Methylene chloride	UG/M3	4.3	1.5	1.8	1.8	2.4
Styrene	UG/M3	0.63				
Tetrachloroethene	UG/M3	1.6		0.95	0.31	
Toluene	UG/M3	38	2.2	23	2.6	3.7
Trichloroethene	UG/M3					
Trichlorofluoromethane	UG/M3	2.0	1.7	1.8	1.8	1.9
Vinyl chloride	UG/M3					
Xylene (total)	UG/M3	54	0.82	41	1.2	2.5

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-04-09	H-05-09	H-05-09	H-05-09	H-06-09
Sample ID	H-AS-04-09	H-AA-05-09	H-BS-05-09	H-AS-05-09	H-AA-06-09
Matrix	Subslab Vapor	Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air
Depth Interval (ft)	-	-	-	-	-
Date Sampled	03/04/09	03/04/09	03/04/09	03/04/09	03/05/09
Parameter	Units				
Volatile Organic Compounds					
1,1,1-Trichloroethane	UG/M3		0.49	9.7	
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.56	0.58		0.54
1,1,2-Trichloroethane	UG/M3				
1,1-Dichloroethane	UG/M3				
1,1-Dichloroethene	UG/M3				
1,2-Dichloroethane	UG/M3				
1,2-Dichloroethene (cis)	UG/M3		1.8		
1,2-Dichloroethene (trans)	UG/M3				
1,3-Dichlorobenzene	UG/M3				
1,4-Dichlorobenzene	UG/M3	1.6	0.44 J	2.6 J	0.35 J
2-Hexanone	UG/M3				0.25
4-Methyl-2-pentanone	UG/M3	0.32			0.39
Acetone	UG/M3	7.0	9.7	20	19
Benzene	UG/M3	0.73	0.65	1.1	1.7
Bromodichloromethane	UG/M3				
Bromomethane	UG/M3				
Carbon disulfide	UG/M3	0.51		1.4	0.88
Carbon tetrachloride	UG/M3	0.57	0.79	0.88	0.61
Chloroethane	UG/M3		0.46		
Chloroform	UG/M3	1.2		1.6	15
Chloromethane	UG/M3		1.2	1.2	
Cyclohexane	UG/M3		0.15	1.4	0.67
Dibromochloromethane	UG/M3				0.52

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-04-09	H-05-09	H-05-09	H-05-09	H-06-09
Sample ID		H-AS-04-09	H-AA-05-09	H-BS-05-09	H-AS-05-09	H-AA-06-09
Matrix		Subslab Vapor	Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/04/09	03/04/09	03/04/09	03/04/09	03/05/09
Parameter	Units					
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	2.6	2.8	2.8	3.9	2.9
Ethylbenzene	UG/M3	3.6	0.26	0.78	11	0.64
Isopropylbenzene (Cumene)	UG/M3					
Methyl acetate	UG/M3					
Methyl ethyl ketone (2-Butanone)	UG/M3		1.3	0.85	2.1	3.8
Methyl tert-butyl ether	UG/M3			0.18		
Methylcyclohexane	UG/M3			13	1.5	0.78
Methylene chloride	UG/M3	7.0	2.2	2.9		7.6
Styrene	UG/M3			0.17	0.71	
Tetrachloroethene	UG/M3	0.75	0.31	20	1,400 D	0.54
Toluene	UG/M3	17	4.8	5.0	35	7.0
Trichloroethene	UG/M3			2.8	120	0.48
Trichlorofluoromethane	UG/M3	2.1	1.9	2.0	3.8	2.3
Vinyl chloride	UG/M3			0.25		
Xylene (total)	UG/M3	27	1.2	3.0	62	3.3

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-06-09	H-06-09	H-07-09	H-07-09	H-07-09
Sample ID	H-BS-06-09	H-AS-06-09	H-AA-07-09	H-BS-07-09	H-AS-07-09
Matrix	Indoor Air	Subslab Vapor	Outdoor Air	Indoor Air	Subslab Vapor
Depth Interval (ft)	-	-	-	-	-
Date Sampled	03/05/09	03/05/09	03/05/09	03/05/09	03/05/09
Parameter	Units				
Volatile Organic Compounds					
1,1,1-Trichloroethane	UG/M3	2.4	0.67		
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.58		0.56	0.58
1,1,2-Trichloroethane	UG/M3				
1,1-Dichloroethane	UG/M3				
1,1-Dichloroethene	UG/M3				
1,2-Dichloroethane	UG/M3	0.23			
1,2-Dichloroethene (cis)	UG/M3				
1,2-Dichloroethene (trans)	UG/M3				
1,3-Dichlorobenzene	UG/M3				
1,4-Dichlorobenzene	UG/M3		3.6	0.43 J	0.32 J
2-Hexanone	UG/M3		1.6		0.37
4-Methyl-2-pentanone	UG/M3	0.59	0.75	0.26	
Acetone	UG/M3	25	30	13	48
Benzene	UG/M3	1.5	3.6	1.6	2.1
Bromodichloromethane	UG/M3				6.2
Bromomethane	UG/M3				
Carbon disulfide	UG/M3		0.81		
Carbon tetrachloride	UG/M3	0.62		0.56	0.58
Chloroethane	UG/M3				
Chloroform	UG/M3	0.28			0.86
Chloromethane	UG/M3	1.3	0.29	1.1	1.4
Cyclohexane	UG/M3	0.67		0.46	1.0
Dibromochloromethane	UG/M3				0.54

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-06-09	H-06-09	H-07-09	H-07-09	H-07-09
Sample ID		H-BS-06-09	H-AS-06-09	H-AA-07-09	H-BS-07-09	H-AS-07-09
Matrix		Indoor Air	Subslab Vapor	Outdoor Air	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/05/09	03/05/09	03/05/09	03/05/09	03/05/09
Parameter	Units					
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	2.8	2.6	2.8	2.9	2.9
Ethylbenzene	UG/M3	1.2	16	0.65	1.5	8.8
Isopropylbenzene (Cumene)	UG/M3				0.56	
Methyl acetate	UG/M3				0.81	
Methyl ethyl ketone (2-Butanone)	UG/M3	2.3	6.9	2.0	5.6	1.2
Methyl tert-butyl ether	UG/M3	0.28				
Methylcyclohexane	UG/M3	1.7	1.6	0.53	2.8	0.88
Methylene chloride	UG/M3	1.8	3.3	13	9.2	15
Styrene	UG/M3	0.48	1.0		0.36	0.60
Tetrachloroethene	UG/M3	3.2	2.4	0.68	0.63	2.5
Toluene	UG/M3	11	63	6.2	28	36
Trichloroethene	UG/M3		1.1	0.55	0.85	1.2
Trichlorofluoromethane	UG/M3	2.6	1.9 J	2.3	3.1	2.7
Vinyl chloride	UG/M3					
Xylene (total)	UG/M3	5.6	94	3.1	7.0	52

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-08-09	H-08-09	H-08-09	H-09-09	H-09-09
Sample ID	H-AA-08-09	H-BS-08-09	H-AS-08-09	H-BS-09-09	H-AS-09-09
Matrix	Outdoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)	-	-	-	-	-
Date Sampled	03/05/09	03/05/09	03/05/09	03/05/09	03/05/09
Parameter	Units				
Volatile Organic Compounds					
1,1,1-Trichloroethane	UG/M3				
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.59	0.74		0.80
1,1,2-Trichloroethane	UG/M3				
1,1-Dichloroethane	UG/M3				
1,1-Dichloroethene	UG/M3				
1,2-Dichloroethane	UG/M3				
1,2-Dichloroethene (cis)	UG/M3				
1,2-Dichloroethene (trans)	UG/M3				
1,3-Dichlorobenzene	UG/M3				0.61
1,4-Dichlorobenzene	UG/M3	0.94 J	88	7.8 J	2.5
2-Hexanone	UG/M3				
4-Methyl-2-pentanone	UG/M3	0.19			
Acetone	UG/M3	17	12 J	24	24 J
Benzene	UG/M3	1.6	2.2	1.8	1.5
Bromodichloromethane	UG/M3				
Bromomethane	UG/M3				
Carbon disulfide	UG/M3				
Carbon tetrachloride	UG/M3	0.56	0.48		0.51
Chloroethane	UG/M3				
Chloroform	UG/M3		1.1	0.85	0.43
Chloromethane	UG/M3	1.3	1.3	0.31	1.0
Cyclohexane	UG/M3	0.42	1.6	0.60	
Dibromochloromethane	UG/M3				

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-08-09	H-08-09	H-08-09	H-09-09	H-09-09
Sample ID	H-AA-08-09	H-BS-08-09	H-AS-08-09	H-BS-09-09	H-AS-09-09
Matrix	Outdoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)	-	-	-	-	-
Date Sampled	03/05/09	03/05/09	03/05/09	03/05/09	03/05/09
Parameter	Units				
Volatile Organic Compounds					
Dichlorodifluoromethane	UG/M3	3.0	3.1	3.0	3.1
Ethylbenzene	UG/M3	0.59	1.7	7.5	0.86
Isopropylbenzene (Cumene)	UG/M3				
Methyl acetate	UG/M3		0.81		0.52
Methyl ethyl ketone (2-Butanone)	UG/M3	2.1	3.1	4.0	2.7
Methyl tert-butyl ether	UG/M3				
Methylcyclohexane	UG/M3		6.1 J		1.9 J
Methylene chloride	UG/M3	2.0	4.5	6.0	3.7
Styrene	UG/M3		0.26	0.44	0.18
Tetrachloroethene	UG/M3	0.70	0.82	2.0	0.87
Toluene	UG/M3	5.3	11	29	7.2
Trichloroethene	UG/M3	0.60	0.59		0.77
Trichlorofluoromethane	UG/M3	2.5	2.3 J	2.2	2.4 J
Vinyl chloride	UG/M3				
Xylene (total)	UG/M3	2.9	7.1	43	3.8
					2.4

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-10-09	H-10-09	H-11-09	H-11-09	H-11-09
Sample ID		H-BS-10-09	H-AS-10-09	030409-FD1	H-AA-11-09	030409-FD2
Matrix		Indoor Air	Subslab Vapor	Outdoor Air	Outdoor Air	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/05/09	03/05/09	03/05/09	03/05/09	03/05/09
Parameter	Units			Field Duplicate (1-1)		Field Duplicate (1-1)
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3					
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.75		0.74	0.71	0.69
1,1,2-Trichloroethane	UG/M3					
1,1-Dichloroethane	UG/M3					
1,1-Dichloroethene	UG/M3					
1,2-Dichloroethane	UG/M3					0.18
1,2-Dichloroethene (cis)	UG/M3					
1,2-Dichloroethene (trans)	UG/M3					
1,3-Dichlorobenzene	UG/M3					
1,4-Dichlorobenzene	UG/M3	0.46	2.4	0.51	0.51	0.51
2-Hexanone	UG/M3	0.75		0.42		0.38
4-Methyl-2-pentanone	UG/M3	0.31	0.46	0.28	0.21	0.32
Acetone	UG/M3	23 J	34 J	15 J	12 J	22 J
Benzene	UG/M3	2.4	1.1	1.4	1.4	1.7
Bromodichloromethane	UG/M3					
Bromomethane	UG/M3					
Carbon disulfide	UG/M3		4.6			
Carbon tetrachloride	UG/M3	0.50		0.48	0.51	0.52
Chloroethane	UG/M3					
Chloroform	UG/M3		1.2			0.36
Chloromethane	UG/M3	1.1		1.2	1.2	1.1
Cyclohexane	UG/M3			0.57		
Dibromochloromethane	UG/M3					

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

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UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-10-09	H-10-09	H-11-09	H-11-09	H-11-09
Sample ID		H-BS-10-09	H-AS-10-09	030409-FD1	H-AA-11-09	030409-FD2
Matrix		Indoor Air	Subslab Vapor	Outdoor Air	Outdoor Air	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/05/09	03/05/09	03/05/09	03/05/09	03/05/09
Parameter	Units			Field Duplicate (1-1)		Field Duplicate (1-1)
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	3.0	2.9	3.0	3.0	3.1
Ethylbenzene	UG/M3	1.1	6.7	0.97	0.96	1.1
Isopropylbenzene (Cumene)	UG/M3					
Methyl acetate	UG/M3					0.62
Methyl ethyl ketone (2-Butanone)	UG/M3	6.1	4.9	3.0	2.4	4.0
Methyl tert-butyl ether	UG/M3					
Methylcyclohexane	UG/M3	2.5 J		1.3 J	1.2 J	1.7 J
Methylene chloride	UG/M3	2.9	6.3	6.6	3.7	4.5
Styrene	UG/M3	0.19	0.50			0.20
Tetrachloroethene	UG/M3	0.95	1.1	1.0	1.0	1.0
Toluene	UG/M3	7.5	25	6.4	5.8	7.7
Trichloroethene	UG/M3	0.84		0.92	0.66	0.98
Trichlorofluoromethane	UG/M3	2.2 J	2.2 J	2.3 J	2.3 J	2.7 J
Vinyl chloride	UG/M3					
Xylene (total)	UG/M3	4.9	39	4.1	4.1	4.8

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

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UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-11-09	H-11-09	H-11-09	H-12-09	H-12-09
Sample ID		H-BS-11-09	030409-FD3	H-AS-11-09	H-AA-12-09	H-BS-12-09
Matrix		Indoor Air	Subslab Vapor	Subslab Vapor	Outdoor Air	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/05/09	03/05/09	03/05/09	03/06/09	03/06/09
Parameter	Units		Field Duplicate (1-1)			
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3					0.81
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.76			0.56	0.62
1,1,2-Trichloroethane	UG/M3					
1,1-Dichloroethane	UG/M3					
1,1-Dichloroethene	UG/M3					
1,2-Dichloroethane	UG/M3	0.17				0.40
1,2-Dichloroethene (cis)	UG/M3					
1,2-Dichloroethene (trans)	UG/M3					
1,3-Dichlorobenzene	UG/M3					
1,4-Dichlorobenzene	UG/M3		1.2	1.4	0.36	0.69
2-Hexanone	UG/M3	0.27				
4-Methyl-2-pentanone	UG/M3	0.34				
Acetone	UG/M3	21 J	17 J	12 J	8.6 J	89 JD
Benzene	UG/M3	1.6	1.6	1.6	0.85	1.0
Bromodichloromethane	UG/M3					
Bromomethane	UG/M3					
Carbon disulfide	UG/M3					
Carbon tetrachloride	UG/M3	0.52			0.55	0.61
Chloroethane	UG/M3					
Chloroform	UG/M3	0.32				0.93
Chloromethane	UG/M3	1.1	0.73	0.70	1.1	1.1
Cyclohexane	UG/M3	0.92	0.65			
Dibromochloromethane	UG/M3					

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-11-09	H-11-09	H-11-09	H-12-09	H-12-09
Sample ID		H-BS-11-09	030409-FD3	H-AS-11-09	H-AA-12-09	H-BS-12-09
Matrix		Indoor Air	Subslab Vapor	Subslab Vapor	Outdoor Air	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/05/09	03/05/09	03/05/09	03/06/09	03/06/09
Parameter	Units		Field Duplicate (1-1)			
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	3.0	3.2	3.1	2.5	2.4
Ethylbenzene	UG/M3	0.91	3.5	3.6	0.28	1.4
Isopropylbenzene (Cumene)	UG/M3					
Methyl acetate	UG/M3	0.62				
Methyl ethyl ketone (2-Butanone)	UG/M3	3.8	3.5	2.1	1.4	12
Methyl tert-butyl ether	UG/M3					
Methylcyclohexane	UG/M3	1.6 J	1.4 J	1.4 J		4.5 J
Methylene chloride	UG/M3	11	4.3	4.6	3.7	69
Styrene	UG/M3					2.0
Tetrachloroethene	UG/M3	0.98		0.71	0.59	1.2
Toluene	UG/M3	6.9	15	15	2.3	7.2
Trichloroethene	UG/M3	0.64	0.69	0.62	0.58	0.56
Trichlorofluoromethane	UG/M3	2.6 J	2.3 J	2.3 J	1.5	1.5
Vinyl chloride	UG/M3					
Xylene (total)	UG/M3	3.2	22	22	1.2	5.1

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

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UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-12-09	H-13-09	H-13-09	H-13-09	H-14-09
Sample ID	H-AS-12-09	H-AA-13-09	H-BS-13-09	H-AS-13-09	H-AA-14-09
Matrix	Subslab Vapor	Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air
Depth Interval (ft)	-	-	-	-	-
Date Sampled	03/06/09	03/06/09	03/06/09	03/06/09	03/07/09
Parameter	Units				
Volatile Organic Compounds					
1,1,1-Trichloroethane	UG/M3	0.72			
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3		0.60	0.59	0.58
1,1,2-Trichloroethane	UG/M3				
1,1-Dichloroethane	UG/M3				
1,1-Dichloroethene	UG/M3				
1,2-Dichloroethane	UG/M3				
1,2-Dichloroethene (cis)	UG/M3				
1,2-Dichloroethene (trans)	UG/M3				
1,3-Dichlorobenzene	UG/M3				
1,4-Dichlorobenzene	UG/M3	2.8	0.48	0.51	3.1
2-Hexanone	UG/M3				
4-Methyl-2-pentanone	UG/M3			0.83	
Acetone	UG/M3	18 J	12 J	18 J	18 J
Benzene	UG/M3	2.1	0.85	1.3	1.8
Bromodichloromethane	UG/M3				
Bromomethane	UG/M3				
Carbon disulfide	UG/M3	4.0			1.6
Carbon tetrachloride	UG/M3		0.49	0.53	
Chloroethane	UG/M3				
Chloroform	UG/M3	6.3		0.50	0.90
Chloromethane	UG/M3	0.41	1.1	1.1	
Cyclohexane	UG/M3				
Dibromochloromethane	UG/M3				

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-12-09	H-13-09	H-13-09	H-13-09	H-14-09
Sample ID		H-AS-12-09	H-AA-13-09	H-BS-13-09	H-AS-13-09	H-AA-14-09
Matrix		Subslab Vapor	Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/06/09	03/06/09	03/06/09	03/06/09	03/07/09
Parameter	Units					
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	3.1	2.5	3.8	3.0	2.6
Ethylbenzene	UG/M3	12	0.45	0.85	11	0.74
Isopropylbenzene (Cumene)	UG/M3					
Methyl acetate	UG/M3					
Methyl ethyl ketone (2-Butanone)	UG/M3	3.1	2.3	2.0	2.0	2.9
Methyl tert-butyl ether	UG/M3					
Methylcyclohexane	UG/M3	3.7 J		2.0 J	1.9 J	0.88 J
Methylene chloride	UG/M3	32	9.4	4.0	5.9	2.4
Styrene	UG/M3	0.87		0.32	0.68	
Tetrachloroethene	UG/M3	6.9	1.1	0.91	5.8	1.3
Toluene	UG/M3	46	2.9	7.8	43	4.7
Trichloroethene	UG/M3	1.0	0.72	0.68		1.6
Trichlorofluoromethane	UG/M3	2.0 J	1.7	3.7	2.2	1.6
Vinyl chloride	UG/M3					
Xylene (total)	UG/M3	69	2.0	3.8	63	3.3

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-14-09	H-14-09	H-15-09	H-15-09	H-15-09
Sample ID		H-BS-14-09	H-AS-14-09	H-AA-15-09	H-BS-15-09	H-AS-15-09
Matrix		Indoor Air	Subslab Vapor	Outdoor Air	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/07/09	03/07/09	03/08/09	03/08/09	03/08/09
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3					
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.59		0.63	0.68	
1,1,2-Trichloroethane	UG/M3					
1,1-Dichloroethane	UG/M3					
1,1-Dichloroethene	UG/M3					
1,2-Dichloroethane	UG/M3					
1,2-Dichloroethene (cis)	UG/M3				0.95	0.98
1,2-Dichloroethene (trans)	UG/M3					
1,3-Dichlorobenzene	UG/M3					
1,4-Dichlorobenzene	UG/M3	0.36	1.1	0.60	2.2	1.6
2-Hexanone	UG/M3	0.97	0.97			2.4
4-Methyl-2-pentanone	UG/M3	0.52		0.33	0.58	3.6
Acetone	UG/M3	27 J	24 J	16 J	41 J	120 J
Benzene	UG/M3	1.5	1.5	1.1	4.5	4.7
Bromodichloromethane	UG/M3					
Bromomethane	UG/M3					
Carbon disulfide	UG/M3		1.2			3.9
Carbon tetrachloride	UG/M3	0.91	0.63	0.49	0.52	
Chloroethane	UG/M3					
Chloroform	UG/M3	0.33	0.80		0.49	2.1
Chloromethane	UG/M3	1.1	0.82	1.2	1.0	0.97
Cyclohexane	UG/M3				2.5	3.1
Dibromochloromethane	UG/M3					

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-14-09	H-14-09	H-15-09	H-15-09	H-15-09
Sample ID	H-BS-14-09	H-AS-14-09	H-AA-15-09	H-BS-15-09	H-AS-15-09
Matrix	Indoor Air	Subslab Vapor	Outdoor Air	Indoor Air	Subslab Vapor
Depth Interval (ft)	-	-	-	-	-
Date Sampled	03/07/09	03/07/09	03/08/09	03/08/09	03/08/09
Parameter	Units				
Volatile Organic Compounds					
Dichlorodifluoromethane	UG/M3	2.5	2.6	2.5	4.2
Ethylbenzene	UG/M3	0.69	2.6	0.64	7.1
Isopropylbenzene (Cumene)	UG/M3				1.5
Methyl acetate	UG/M3				
Methyl ethyl ketone (2-Butanone)	UG/M3	6.7	4.7	2.6	3.6
Methyl tert-butyl ether	UG/M3				1.6
Methylcyclohexane	UG/M3	2.5 J	1.9 J	1.1 J	7.9 J
Methylene chloride	UG/M3	52	41	1.2	41
Styrene	UG/M3			0.36	2.0
Tetrachloroethene	UG/M3	1.1	1.0	0.83	11
Toluene	UG/M3	68	41	5.1	21
Trichloroethene	UG/M3	1.3	1.7		1.1
Trichlorofluoromethane	UG/M3	2.1	1.7	1.6	1.9
Vinyl chloride	UG/M3				
Xylene (total)	UG/M3	2.9	14	2.7	35
					69

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-16-09	H-16-09	H-16-09	H-16-09	H-16-09
Sample ID		030609-FD1	H-AA-16-09	030609-FD2	H-BS-16-09	030609-FD3
Matrix		Outdoor Air	Outdoor Air	Indoor Air	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/07/09	03/07/09	03/07/09	03/07/09	03/07/09
Parameter	Units	Field Duplicate (1-1)		Field Duplicate (1-1)		Field Duplicate (1-1)
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3					
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.61	0.61	0.63	0.56	
1,1,2-Trichloroethane	UG/M3					
1,1-Dichloroethane	UG/M3					
1,1-Dichloroethene	UG/M3					
1,2-Dichloroethane	UG/M3					
1,2-Dichloroethene (cis)	UG/M3					
1,2-Dichloroethene (trans)	UG/M3					
1,3-Dichlorobenzene	UG/M3					
1,4-Dichlorobenzene	UG/M3	0.57	0.59	8.5	6.1	2.2
2-Hexanone	UG/M3		0.45			1.2
4-Methyl-2-pentanone	UG/M3	0.32	0.36			
Acetone	UG/M3	17 J	17 J	48 J	54 J	42 J
Benzene	UG/M3	1.3	1.3	2.6	3.6	2.5
Bromodichloromethane	UG/M3					
Bromomethane	UG/M3					
Carbon disulfide	UG/M3					2.4
Carbon tetrachloride	UG/M3	0.50	0.50	0.51	0.50	
Chloroethane	UG/M3					
Chloroform	UG/M3			2.1	1.1	1.2
Chloromethane	UG/M3	1.1	1.1	1.2	1.2	0.74
Cyclohexane	UG/M3			1.9	2.6	1.7
Dibromochloromethane	UG/M3					

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-16-09	H-16-09	H-16-09	H-16-09	H-16-09
Sample ID		030609-FD1	H-AA-16-09	030609-FD2	H-BS-16-09	030609-FD3
Matrix		Outdoor Air	Outdoor Air	Indoor Air	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/07/09	03/07/09	03/07/09	03/07/09	03/07/09
Parameter	Units	Field Duplicate (1-1)		Field Duplicate (1-1)		Field Duplicate (1-1)
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	2.6	2.7	2.4	2.5	2.5
Ethylbenzene	UG/M3	0.95	0.98	5.8	9.7	9.2
Isopropylbenzene (Cumene)	UG/M3					
Methyl acetate	UG/M3			14 J	23 JD	
Methyl ethyl ketone (2-Butanone)	UG/M3	3.2	3.4	26	40	7.9
Methyl tert-butyl ether	UG/M3					
Methylcyclohexane	UG/M3	1.3 J	1.2 J	4.7 J	6.1 J	4.9 J
Methylene chloride	UG/M3	2.9	5.3	3.0	2.4	5.0
Styrene	UG/M3			1.1	1.3	0.64
Tetrachloroethene	UG/M3	1.3	1.2	1.1	1.3	4.5
Toluene	UG/M3	6.9	6.8	42	39	37
Trichloroethene	UG/M3	1.2	1.2	1.1	1.1	0.73
Trichlorofluoromethane	UG/M3	1.7	1.7	1.5	1.6	1.7
Vinyl chloride	UG/M3					
Xylene (total)	UG/M3	4.1	4.2	25	43	51

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

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UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-16-09	H-17-09	H-17-09	H-17-09	H-18-09
Sample ID	H-AS-16-09	H-AA-17-09	H-BS-17-09	H-AS-17-09	H-AA-18-09
Matrix	Subslab Vapor	Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air
Depth Interval (ft)	-	-	-	-	-
Date Sampled	03/07/09	03/07/09	03/07/09	03/07/09	03/08/09
Parameter	Units				
Volatile Organic Compounds					
1,1,1-Trichloroethane	UG/M3				
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3		0.67	0.62	0.65
1,1,2-Trichloroethane	UG/M3				
1,1-Dichloroethane	UG/M3				
1,1-Dichloroethene	UG/M3				
1,2-Dichloroethane	UG/M3				0.17
1,2-Dichloroethene (cis)	UG/M3				
1,2-Dichloroethene (trans)	UG/M3				
1,3-Dichlorobenzene	UG/M3				
1,4-Dichlorobenzene	UG/M3	2.5	0.58	0.78	1.2
2-Hexanone	UG/M3			0.84	2.9
4-Methyl-2-pentanone	UG/M3		0.26	0.80	0.27
Acetone	UG/M3	45 J	14 J	41 J	23 J
Benzene	UG/M3	2.4	1.3	2.5	0.98
Bromodichloromethane	UG/M3				
Bromomethane	UG/M3				
Carbon disulfide	UG/M3	2.3			1.1
Carbon tetrachloride	UG/M3		0.52	0.50	0.46
Chloroethane	UG/M3				
Chloroform	UG/M3	1.1		0.72	
Chloromethane	UG/M3	0.69	1.1	1.1	0.37
Cyclohexane	UG/M3	1.9		0.96	1.0
Dibromochloromethane	UG/M3				

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-16-09	H-17-09	H-17-09	H-17-09	H-18-09
Sample ID		H-AS-16-09	H-AA-17-09	H-BS-17-09	H-AS-17-09	H-AA-18-09
Matrix		Subslab Vapor	Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/07/09	03/07/09	03/07/09	03/07/09	03/08/09
Parameter	Units					
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	2.7	2.7	2.6	2.6	2.6
Ethylbenzene	UG/M3	9.2	0.84	2.1	6.3	0.54
Isopropylbenzene (Cumene)	UG/M3					
Methyl acetate	UG/M3					
Methyl ethyl ketone (2-Butanone)	UG/M3	6.8	2.4	5.3	6.9	3.0
Methyl tert-butyl ether	UG/M3					
Methylcyclohexane	UG/M3	4.7 J	1.1 J	2.5 J		0.71 J
Methylene chloride	UG/M3	3.0	5.0	4.7	14	7.4
Styrene	UG/M3	0.63		0.39	0.46	
Tetrachloroethene	UG/M3	4.8	1.5	1.9		0.98
Toluene	UG/M3	36	5.8	15	23	5.0
Trichloroethene	UG/M3	0.78	0.64	0.60		
Trichlorofluoromethane	UG/M3	1.6	1.8	1.7	31	1.6
Vinyl chloride	UG/M3					
Xylene (total)	UG/M3	50	3.7	9.5	36	2.1

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

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UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-18-09	H-18-09	H-19-09	H-19-09	H-19-09
Sample ID	H-BS-18-09	H-AS-18-09	H-AA-19-09	H-BS-19-09	H-AS-19-09
Matrix	Indoor Air	Subslab Vapor	Outdoor Air	Indoor Air	Subslab Vapor
Depth Interval (ft)	-	-	-	-	-
Date Sampled	03/08/09	03/08/09	03/08/09	03/08/09	03/08/09
Parameter	Units				
Volatile Organic Compounds					
1,1,1-Trichloroethane	UG/M3				
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.64		0.67	0.64
1,1,2-Trichloroethane	UG/M3				
1,1-Dichloroethane	UG/M3				
1,1-Dichloroethene	UG/M3				
1,2-Dichloroethane	UG/M3	0.76			0.17
1,2-Dichloroethene (cis)	UG/M3				
1,2-Dichloroethene (trans)	UG/M3				
1,3-Dichlorobenzene	UG/M3				
1,4-Dichlorobenzene	UG/M3	0.76	2.4	0.63	0.71
2-Hexanone	UG/M3				0.49
4-Methyl-2-pentanone	UG/M3	0.45		0.23	0.49
Acetone	UG/M3	28 J	13 J	15 J	41 J
Benzene	UG/M3	1.6	0.76	0.92	1.3
Bromodichloromethane	UG/M3				
Bromomethane	UG/M3				
Carbon disulfide	UG/M3				
Carbon tetrachloride	UG/M3	0.54		0.45	0.48
Chloroethane	UG/M3				
Chloroform	UG/M3	0.33	5.2		0.48
Chloromethane	UG/M3	1.2		1.1	1.4
Cyclohexane	UG/M3	0.94			
Dibromochloromethane	UG/M3				

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

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UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-18-09	H-18-09	H-19-09	H-19-09	H-19-09
Sample ID		H-BS-18-09	H-AS-18-09	H-AA-19-09	H-BS-19-09	H-AS-19-09
Matrix		Indoor Air	Subslab Vapor	Outdoor Air	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/08/09	03/08/09	03/08/09	03/08/09	03/08/09
Parameter	Units					
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	2.9	2.4	2.5	2.5	2.6
Ethylbenzene	UG/M3	1.0	6.4	0.45	0.80	
Isopropylbenzene (Cumene)	UG/M3					
Methyl acetate	UG/M3				17 J	
Methyl ethyl ketone (2-Butanone)	UG/M3	3.3	2.5	2.7	3.8	0.45
Methyl tert-butyl ether	UG/M3					
Methylcyclohexane	UG/M3	5.4 J	1.4 J	0.65 J	2.0 J	
Methylene chloride	UG/M3	3.2	1.8	1.8	2.1	6.1
Styrene	UG/M3	0.39	0.52		0.24	
Tetrachloroethene	UG/M3	2.4	5.2	0.82	0.95	
Toluene	UG/M3	9.2	20	3.5	4.9	0.49
Trichloroethene	UG/M3					
Trichlorofluoromethane	UG/M3	1.7	1.7	1.5	1.5	1.9
Vinyl chloride	UG/M3					
Xylene (total)	UG/M3	4.5	39	1.9	3.4	

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-20-09	H-20-09	H-20-09	H-21-09	H-21-09
Sample ID	H-AA-20-09	H-BS-20-09	H-AS-20-09	H-AA-21-09	H-BS-21-09
Matrix	Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air	Indoor Air
Depth Interval (ft)	-	-	-	-	-
Date Sampled	03/08/09	03/08/09	03/08/09	03/10/09	03/10/09
Parameter	Units				
Volatile Organic Compounds					
1,1,1-Trichloroethane	UG/M3		1.3		
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.63	0.69		0.66
1,1,2-Trichloroethane	UG/M3				
1,1-Dichloroethane	UG/M3				
1,1-Dichloroethene	UG/M3				
1,2-Dichloroethane	UG/M3				
1,2-Dichloroethene (cis)	UG/M3				
1,2-Dichloroethene (trans)	UG/M3				
1,3-Dichlorobenzene	UG/M3				
1,4-Dichlorobenzene	UG/M3	0.83	0.67	2.2	
2-Hexanone	UG/M3		0.68	0.84	
4-Methyl-2-pentanone	UG/M3	0.33	0.41		0.28
Acetone	UG/M3	19 J	63 J	30 J	8.7 J
Benzene	UG/M3	1.1	3.3	1.4	0.70
Bromodichloromethane	UG/M3				
Bromomethane	UG/M3				
Carbon disulfide	UG/M3			2.7	
Carbon tetrachloride	UG/M3	0.44	0.51		0.45
Chloroethane	UG/M3				
Chloroform	UG/M3		0.59	0.60	
Chloromethane	UG/M3	1.2	1.2	0.21	1.1
Cyclohexane	UG/M3	0.92	2.2	1.9	
Dibromochloromethane	UG/M3				

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-20-09	H-20-09	H-20-09	H-21-09	H-21-09
Sample ID	H-AA-20-09	H-BS-20-09	H-AS-20-09	H-AA-21-09	H-BS-21-09
Matrix	Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air	Indoor Air
Depth Interval (ft)	-	-	-	-	-
Date Sampled	03/08/09	03/08/09	03/08/09	03/10/09	03/10/09
Parameter	Units				
Volatile Organic Compounds					
Dichlorodifluoromethane	UG/M3	2.5	2.7	2.8	2.6
Ethylbenzene	UG/M3	0.71	0.99	7.2	0.37
Isopropylbenzene (Cumene)	UG/M3				
Methyl acetate	UG/M3				
Methyl ethyl ketone (2-Butanone)	UG/M3	3.2	5.4	4.2	1.8
Methyl tert-butyl ether	UG/M3				3.3
Methylcyclohexane	UG/M3	0.77 J	7.4 J	7.3 J	2.3 J
Methylene chloride	UG/M3	2.7	8.6	5.6	2.2
Styrene	UG/M3		0.87	0.55	0.75
Tetrachloroethene	UG/M3	1.5	12	6.4	1.2
Toluene	UG/M3	6.5	110	29	3.0
Trichloroethene	UG/M3				
Trichlorofluoromethane	UG/M3	1.6	3.0	2.1	1.5
Vinyl chloride	UG/M3				
Xylene (total)	UG/M3	2.8	4.3	42	1.6
					5.5

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-21-09	H-22-09	H-22-09	H-22-09	H-23-09
Sample ID		H-AS-21-09	H-AA-22-09	H-BS-22-09	H-AS-22-09	H-AA-23-09
Matrix		Subslab Vapor	Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/10/09	03/10/09	03/10/09	03/10/09	03/10/09
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3	9.5			1.1	
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3		0.65	0.66		0.67
1,1,2-Trichloroethane	UG/M3					
1,1-Dichloroethane	UG/M3					
1,1-Dichloroethene	UG/M3					
1,2-Dichloroethane	UG/M3			0.52		
1,2-Dichloroethene (cis)	UG/M3					
1,2-Dichloroethene (trans)	UG/M3					
1,3-Dichlorobenzene	UG/M3					
1,4-Dichlorobenzene	UG/M3	2.0	1.6	7.8	1.9	
2-Hexanone	UG/M3	0.96	0.52	0.47		
4-Methyl-2-pentanone	UG/M3		0.69	1.1	0.53	0.29
Acetone	UG/M3	23 J	15 J	58 J	30 J	16 J
Benzene	UG/M3	1.2	0.88	2.6	1.8	0.89
Bromodichloromethane	UG/M3			0.46		
Bromomethane	UG/M3					
Carbon disulfide	UG/M3	0.60			1.4	
Carbon tetrachloride	UG/M3		0.48	0.60		0.51
Chloroethane	UG/M3					
Chloroform	UG/M3	16		4.8	8.4	
Chloromethane	UG/M3		1.1	1.1	0.57	1.1
Cyclohexane	UG/M3	0.55		1.6		0.61
Dibromochloromethane	UG/M3					

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-21-09	H-22-09	H-22-09	H-22-09	H-23-09
Sample ID		H-AS-21-09	H-AA-22-09	H-BS-22-09	H-AS-22-09	H-AA-23-09
Matrix		Subslab Vapor	Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/10/09	03/10/09	03/10/09	03/10/09	03/10/09
Parameter	Units					
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	2.8	2.6	2.7	2.6	2.8
Ethylbenzene	UG/M3	8.1	0.75	1.4	6.7	0.58
Isopropylbenzene (Cumene)	UG/M3			0.54		
Methyl acetate	UG/M3					
Methyl ethyl ketone (2-Butanone)	UG/M3	5.4	5.3	27	6.6	2.6
Methyl tert-butyl ether	UG/M3					
Methylcyclohexane	UG/M3	1.6 J	1.5 J	4.4 J	2.9 J	1.9 J
Methylene chloride	UG/M3	3.3	1.3	3.3	2.0	1.5
Styrene	UG/M3	0.72	0.20	0.61	0.63	0.22
Tetrachloroethene	UG/M3	83	0.94	4.3	20	0.75
Toluene	UG/M3	26	7.5	13	23	5.0
Trichloroethene	UG/M3	5.9				
Trichlorofluoromethane	UG/M3	2.1	1.4	1.5	1.5	1.6
Vinyl chloride	UG/M3					
Xylene (total)	UG/M3	49	3.0	5.6	40	2.3

Flags assigned during chemistry validation are shown.

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UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-23-09	H-23-09	H-24-09	H-24-09	H-24-09
Sample ID	H-BS-23-09	H-AS-23-09	H-AA-24-09	H-BS-24-09	H-AS-24-09
Matrix	Indoor Air	Subslab Vapor	Outdoor Air	Indoor Air	Subslab Vapor
Depth Interval (ft)	-	-	-	-	-
Date Sampled	03/10/09	03/10/09	03/10/09	03/10/09	03/10/09
Parameter	Units				
Volatile Organic Compounds					
1,1,1-Trichloroethane	UG/M3		1.5		
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.76		0.72	0.71
1,1,2-Trichloroethane	UG/M3				
1,1-Dichloroethane	UG/M3				
1,1-Dichloroethene	UG/M3				
1,2-Dichloroethane	UG/M3				
1,2-Dichloroethene (cis)	UG/M3				
1,2-Dichloroethene (trans)	UG/M3				
1,3-Dichlorobenzene	UG/M3				
1,4-Dichlorobenzene	UG/M3	0.69	1.7		0.93
2-Hexanone	UG/M3	0.80	0.65	0.29	0.52
4-Methyl-2-pentanone	UG/M3	0.92		0.28	2.2
Acetone	UG/M3	56 J	18 J	11 J	45 J
Benzene	UG/M3	1.2	1.6	0.70	1.0
Bromodichloromethane	UG/M3		1.9		
Bromomethane	UG/M3				
Carbon disulfide	UG/M3		1.4		0.41
Carbon tetrachloride	UG/M3	0.48	1.1	0.42	0.59
Chloroethane	UG/M3				
Chloroform	UG/M3	1.9	120		1.8
Chloromethane	UG/M3	1.3		1.1	1.1
Cyclohexane	UG/M3	1.2	4.3	0.32	0.77
Dibromochloromethane	UG/M3				

Flags assigned during chemistry validation are shown.

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J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

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TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-23-09	H-23-09	H-24-09	H-24-09	H-24-09
Sample ID		H-BS-23-09	H-AS-23-09	H-AA-24-09	H-BS-24-09	H-AS-24-09
Matrix		Indoor Air	Subslab Vapor	Outdoor Air	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/10/09	03/10/09	03/10/09	03/10/09	03/10/09
Parameter	Units					
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	2.8	2.9	2.7	2.7	2.8
Ethylbenzene	UG/M3	2.4	4.9	0.44	0.88	5.3
Isopropylbenzene (Cumene)	UG/M3					
Methyl acetate	UG/M3					
Methyl ethyl ketone (2-Butanone)	UG/M3	9.5	3.2	2.2	4.7	4.4
Methyl tert-butyl ether	UG/M3					
Methylcyclohexane	UG/M3	5.4 J	16 J	0.69 J	3.0 J	
Methylene chloride	UG/M3	1.6	4.4	1.6	2.4	8.8
Styrene	UG/M3	1.1	0.54		0.38	0.48
Tetrachloroethene	UG/M3	1.1	2.1	0.82	12	4.6
Toluene	UG/M3	26	17	3.3	13	28
Trichloroethene	UG/M3				0.37	0.76
Trichlorofluoromethane	UG/M3	1.6	1.7	1.6	1.6	2.1
Vinyl chloride	UG/M3					
Xylene (total)	UG/M3	8.6	30	1.9	3.5	33

Flags assigned during chemistry validation are shown.

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UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-25-09	H-25-09	H-25-09	H-26-09	H-26-09
Sample ID		H-AA-25-09	H-BS-25-09	H-AS-25-09	H-AA-26-09	H-BS-26-09
Matrix		Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/11/09	03/11/09	03/11/09	03/11/09	03/11/09
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3			2.4		
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.67	0.69		0.67	0.69
1,1,2-Trichloroethane	UG/M3		1.2			
1,1-Dichloroethane	UG/M3			4.9		
1,1-Dichloroethene	UG/M3					
1,2-Dichloroethane	UG/M3			0.96		
1,2-Dichloroethene (cis)	UG/M3		8.1	150		
1,2-Dichloroethene (trans)	UG/M3		0.37	5.5		
1,3-Dichlorobenzene	UG/M3					
1,4-Dichlorobenzene	UG/M3	0.32	1.9	2.2	0.41	0.48
2-Hexanone	UG/M3	0.29			0.30	0.41
4-Methyl-2-pentanone	UG/M3	0.24			0.29	0.37
Acetone	UG/M3	8.7 J	6.5 J	21 J	8.6 J	31 J
Benzene	UG/M3	0.62	1.0	1.2	0.65	0.83
Bromodichloromethane	UG/M3			16		
Bromomethane	UG/M3					
Carbon disulfide	UG/M3			31		
Carbon tetrachloride	UG/M3	0.49	0.43		0.46	0.43
Chloroethane	UG/M3		2.1	47		
Chloroform	UG/M3		5.2	140		0.73
Chloromethane	UG/M3	1.1	1.1		1.2	1.1
Cyclohexane	UG/M3		8.2	3.6		0.73
Dibromochloromethane	UG/M3					

Flags assigned during chemistry validation are shown.

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UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-25-09	H-25-09	H-25-09	H-26-09	H-26-09
Sample ID		H-AA-25-09	H-BS-25-09	H-AS-25-09	H-AA-26-09	H-BS-26-09
Matrix		Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/11/09	03/11/09	03/11/09	03/11/09	03/11/09
Parameter	Units					
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	2.7	2.7	2.8	2.8	2.8
Ethylbenzene	UG/M3	0.31	1.3	0.53	0.49	0.66
Isopropylbenzene (Cumene)	UG/M3					
Methyl acetate	UG/M3					
Methyl ethyl ketone (2-Butanone)	UG/M3	1.9	1.4	5.4	2.2	3.4
Methyl tert-butyl ether	UG/M3		0.98	5.2		
Methylcyclohexane	UG/M3		80 J			1.3 J
Methylene chloride	UG/M3	2.3	3.3	13	2.1	1.8
Styrene	UG/M3		0.18			0.23
Tetrachloroethene	UG/M3	0.71	170	4,200 D	0.99	1.9
Toluene	UG/M3	3.3	4.4	3.8	3.9	4.5
Trichloroethene	UG/M3		12	300	0.29	0.31
Trichlorofluoromethane	UG/M3	1.5	1.5	1.9	1.7	1.7
Vinyl chloride	UG/M3		0.76	6.3		
Xylene (total)	UG/M3	1.3	6.7	3.4	2.0	2.5

Flags assigned during chemistry validation are shown.

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UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-26-09	H-27-09	H-27-09	H-27-09	H-28-09
Sample ID		H-AS-26-09	H-AA-27-09	H-BS-27-09	H-AS-27-09	031109-FD1
Matrix		Subslab Vapor	Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/11/09	03/12/09	03/12/09	03/12/09	03/12/09
Parameter	Units					Field Duplicate (1-1)
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3	8.6		0.29		
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.90	0.69	0.87	0.86	0.71
1,1,2-Trichloroethane	UG/M3					
1,1-Dichloroethane	UG/M3					
1,1-Dichloroethene	UG/M3					
1,2-Dichloroethane	UG/M3			0.17		
1,2-Dichloroethene (cis)	UG/M3					
1,2-Dichloroethene (trans)	UG/M3					
1,3-Dichlorobenzene	UG/M3				0.78	
1,4-Dichlorobenzene	UG/M3	0.60	0.55	0.36	1.7	
2-Hexanone	UG/M3					0.28
4-Methyl-2-pentanone	UG/M3		0.35	0.33		0.68
Acetone	UG/M3	16 J	12 J	24 J	9.7 J	13 J
Benzene	UG/M3	0.39	1.0	1.2	0.40	0.66
Bromodichloromethane	UG/M3					
Bromomethane	UG/M3					
Carbon disulfide	UG/M3	0.42				
Carbon tetrachloride	UG/M3		0.49	0.51	0.52	0.48
Chloroethane	UG/M3					
Chloroform	UG/M3	9.2		0.33		
Chloromethane	UG/M3		1.2	1.2		1.2
Cyclohexane	UG/M3	0.82	0.36	0.82		
Dibromochloromethane	UG/M3					

Flags assigned during chemistry validation are shown.

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UG/M3 - Micrograms per cubic meter.

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TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-26-09	H-27-09	H-27-09	H-27-09	H-28-09
Sample ID		H-AS-26-09	H-AA-27-09	H-BS-27-09	H-AS-27-09	031109-FD1
Matrix		Subslab Vapor	Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/11/09	03/12/09	03/12/09	03/12/09	03/12/09
Parameter	Units					Field Duplicate (1-1)
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	2.8	2.8	2.9	3.1	2.8
Ethylbenzene	UG/M3	0.54	0.55	0.71	0.41	1.1
Isopropylbenzene (Cumene)	UG/M3					
Methyl acetate	UG/M3					
Methyl ethyl ketone (2-Butanone)	UG/M3	2.7	2.1	1.7	1.2	4.4
Methyl tert-butyl ether	UG/M3					
Methylcyclohexane	UG/M3		0.74 J	2.3 J		1.5 J
Methylene chloride	UG/M3	19	3.8	25	9.7	3.1
Styrene	UG/M3			0.27		
Tetrachloroethene	UG/M3	56	1.2	0.81	1.7	0.61
Toluene	UG/M3	11	4.8	7.8	2.7	7.1
Trichloroethene	UG/M3	5.3	1.0	0.38		0.25
Trichlorofluoromethane	UG/M3	1.9	1.8	1.7	1.8	1.8
Vinyl chloride	UG/M3					
Xylene (total)	UG/M3	2.0	2.5	3.1	3.5	4.4

Flags assigned during chemistry validation are shown.

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UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-28-09	H-28-09	H-28-09	H-28-09	H-28-09
Sample ID		H-AA-28-09	031109-FD2	H-BS-28-09	031109-FD3	H-AS-28-09
Matrix		Outdoor Air	Indoor Air	Indoor Air	Subslab Vapor	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/12/09	03/12/09	03/12/09	03/12/09	03/12/09
Parameter	Units		Field Duplicate (1-1)		Field Duplicate (1-1)	
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3				0.32	
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.69	0.72	0.67	0.75	
1,1,2-Trichloroethane	UG/M3					
1,1-Dichloroethane	UG/M3					
1,1-Dichloroethene	UG/M3					
1,2-Dichloroethane	UG/M3					
1,2-Dichloroethene (cis)	UG/M3					
1,2-Dichloroethene (trans)	UG/M3					
1,3-Dichlorobenzene	UG/M3					
1,4-Dichlorobenzene	UG/M3	0.31	0.38	0.37	0.96	0.94
2-Hexanone	UG/M3	0.30		0.43	0.57	
4-Methyl-2-pentanone	UG/M3	0.74	0.36	0.48	0.50	
Acetone	UG/M3	30 J	12 J	17 J	22 J	16 J
Benzene	UG/M3	0.81	0.78	0.82	0.45	0.50
Bromodichloromethane	UG/M3					
Bromomethane	UG/M3					
Carbon disulfide	UG/M3	0.15			0.67	0.61
Carbon tetrachloride	UG/M3	0.47	0.47	0.50	0.49	
Chloroethane	UG/M3					
Chloroform	UG/M3				0.21	
Chloromethane	UG/M3	1.2	1.2	1.1	0.64	
Cyclohexane	UG/M3	1.1		0.43	0.69	
Dibromochloromethane	UG/M3					

Flags assigned during chemistry validation are shown.

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UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-28-09	H-28-09	H-28-09	H-28-09	H-28-09
Sample ID		H-AA-28-09	031109-FD2	H-BS-28-09	031109-FD3	H-AS-28-09
Matrix		Outdoor Air	Indoor Air	Indoor Air	Subslab Vapor	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/12/09	03/12/09	03/12/09	03/12/09	03/12/09
Parameter	Units		Field Duplicate (1-1)		Field Duplicate (1-1)	
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	2.8	2.8	2.8	2.8	2.9
Ethylbenzene	UG/M3	2.0	0.94	0.93	0.47	0.49
Isopropylbenzene (Cumene)	UG/M3					
Methyl acetate	UG/M3					
Methyl ethyl ketone (2-Butanone)	UG/M3	7.6	2.2	3.7	4.3	2.1
Methyl tert-butyl ether	UG/M3	0.24				
Methylcyclohexane	UG/M3	2.1 J	1.3 J	1.2 J	3.0 J	2.7 J
Methylene chloride	UG/M3	11	2.9	3.0	2.1	7.7
Styrene	UG/M3					
Tetrachloroethene	UG/M3	2.3	0.78	0.84	1.6	1.5
Toluene	UG/M3	23	5.3	5.2	5.7	5.5
Trichloroethene	UG/M3	6.7	0.22	0.22	0.30	
Trichlorofluoromethane	UG/M3	1.9	1.8	1.7	2.1	2.2
Vinyl chloride	UG/M3					
Xylene (total)	UG/M3	7.8	4.0	4.1	2.2	2.2

Flags assigned during chemistry validation are shown.

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UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-29-09	H-29-09	H-29-09	H-30-09	H-30-09
Sample ID		H-AA-29-09	H-BS-29-09	H-AS-29-09	H-BS-30-09	H-AS-30-09
Matrix		Outdoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/12/09	03/12/09	03/12/09	03/12/09	03/12/09
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3		1.6	1.3		9.4
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.72	0.68	0.77	0.65	1.1
1,1,2-Trichloroethane	UG/M3					
1,1-Dichloroethane	UG/M3					
1,1-Dichloroethene	UG/M3					
1,2-Dichloroethane	UG/M3		1.9	0.78		
1,2-Dichloroethene (cis)	UG/M3					
1,2-Dichloroethene (trans)	UG/M3					
1,3-Dichlorobenzene	UG/M3			0.70		
1,4-Dichlorobenzene	UG/M3	0.26	0.61	3.4	17	1.7
2-Hexanone	UG/M3	0.30	1.6		0.75	
4-Methyl-2-pentanone	UG/M3	0.37	0.38	1.2	0.44	
Acetone	UG/M3	19 J	54 J	120 J	44 J	14 J
Benzene	UG/M3	1.1	1.5	1.8	1.4	2.5
Bromodichloromethane	UG/M3					
Bromomethane	UG/M3					
Carbon disulfide	UG/M3		0.22	0.78		13
Carbon tetrachloride	UG/M3	0.50	0.50		0.51	2.2
Chloroethane	UG/M3				2.5	
Chloroform	UG/M3		0.66	2.6	1.5	13
Chloromethane	UG/M3	1.2	1.4		1.3	
Cyclohexane	UG/M3	0.42	1.0		1.3	
Dibromochloromethane	UG/M3					

Flags assigned during chemistry validation are shown.

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J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-29-09	H-29-09	H-29-09	H-30-09	H-30-09
Sample ID		H-AA-29-09	H-BS-29-09	H-AS-29-09	H-BS-30-09	H-AS-30-09
Matrix		Outdoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/12/09	03/12/09	03/12/09	03/12/09	03/12/09
Parameter	Units					
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	2.7	2.6	2.8	2.7	3.0
Ethylbenzene	UG/M3	3.4	1.3	1.8	1.3	0.50
Isopropylbenzene (Cumene)	UG/M3					
Methyl acetate	UG/M3					
Methyl ethyl ketone (2-Butanone)	UG/M3	5.7	4.5	8.1	4.5	2.1
Methyl tert-butyl ether	UG/M3					
Methylcyclohexane	UG/M3	1.2 J	2.8 J	3.5 J	4.1 J	7.9 J
Methylene chloride	UG/M3	1.7	4.9	5.2	3.2	1.5
Styrene	UG/M3	0.23	0.81	4.2	1.2	
Tetrachloroethene	UG/M3	4.3	1.4	52	1.8	180
Toluene	UG/M3	10	9.2	7.4	14	11
Trichloroethene	UG/M3			21		43
Trichlorofluoromethane	UG/M3	1.6	1.7	2.0	2.5	2.1
Vinyl chloride	UG/M3					
Xylene (total)	UG/M3	16	5.4	5.7	5.1	2.8

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-31-09	H-31-09	H-31-09	H-32-09	H-32-09
Sample ID	H-AA-31-09	H-BS-31-09	H-AS-31-09	H-AA-32-09	H-BS-32-09
Matrix	Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air	Indoor Air
Depth Interval (ft)	-	-	-	-	-
Date Sampled	03/13/09	03/13/09	03/13/09	03/13/09	03/13/09
Parameter	Units				
Volatile Organic Compounds					
1,1,1-Trichloroethane	UG/M3				
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.75	1.1		0.57
1,1,2-Trichloroethane	UG/M3				
1,1-Dichloroethane	UG/M3				
1,1-Dichloroethene	UG/M3				
1,2-Dichloroethane	UG/M3				
1,2-Dichloroethene (cis)	UG/M3				
1,2-Dichloroethene (trans)	UG/M3				
1,3-Dichlorobenzene	UG/M3				
1,4-Dichlorobenzene	UG/M3		0.95		
2-Hexanone	UG/M3	0.22	0.39		0.17
4-Methyl-2-pentanone	UG/M3	0.18	0.33		0.29
Acetone	UG/M3	9.0 J	11 J	8.5 J	
Benzene	UG/M3	0.56	0.84	0.34	0.81
Bromodichloromethane	UG/M3				
Bromomethane	UG/M3				
Carbon disulfide	UG/M3			0.36	
Carbon tetrachloride	UG/M3	0.48	0.47		0.60
Chloroethane	UG/M3				
Chloroform	UG/M3		0.24	2.3	
Chloromethane	UG/M3	1.1	1.1		1.2
Cyclohexane	UG/M3				0.37
Dibromochloromethane	UG/M3				2.0

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-31-09	H-31-09	H-31-09	H-32-09	H-32-09
Sample ID	H-AA-31-09	H-BS-31-09	H-AS-31-09	H-AA-32-09	H-BS-32-09
Matrix	Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air	Indoor Air
Depth Interval (ft)	-	-	-	-	-
Date Sampled	03/13/09	03/13/09	03/13/09	03/13/09	03/13/09
Parameter	Units				
Volatile Organic Compounds					
Dichlorodifluoromethane	UG/M3	2.7	2.8	2.7	3.2
Ethylbenzene	UG/M3	0.34	0.42		0.37
Isopropylbenzene (Cumene)	UG/M3				
Methyl acetate	UG/M3				0.56 J
Methyl ethyl ketone (2-Butanone)	UG/M3	2.1	2.4	1.1	11
Methyl tert-butyl ether	UG/M3				
Methylcyclohexane	UG/M3	0.78 J	1.3 J		0.62
Methylene chloride	UG/M3	2.1	3.2	1.2	4.7
Styrene	UG/M3				0.21
Tetrachloroethene	UG/M3	0.50	0.55	25	0.62
Toluene	UG/M3	2.1	2.3	23	2.9
Trichloroethene	UG/M3			0.62	
Trichlorofluoromethane	UG/M3	1.6	1.7	1.7	2.2 J
Vinyl chloride	UG/M3				
Xylene (total)	UG/M3	1.4	1.8	1.1	1.8
					6.2

Flags assigned during chemistry validation are shown.

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UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-32-09	H-33-09	H-33-09	H-33-09	H-33-09
Sample ID		H-AS-32-09	031309-FD3	H-AA-33-09	031309-FD2	H-BS-33-09
Matrix		Subslab Vapor	Outdoor Air	Outdoor Air	Indoor Air	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/13/09	03/14/09	03/14/09	03/14/09	03/14/09
Parameter	Units		Field Duplicate (1-1)		Field Duplicate (1-1)	
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3					
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3		0.60	0.56	0.56	0.55
1,1,2-Trichloroethane	UG/M3					
1,1-Dichloroethane	UG/M3					
1,1-Dichloroethene	UG/M3					
1,2-Dichloroethane	UG/M3				0.20	
1,2-Dichloroethene (cis)	UG/M3	6.3			0.58	
1,2-Dichloroethene (trans)	UG/M3					
1,3-Dichlorobenzene	UG/M3					
1,4-Dichlorobenzene	UG/M3	1.3		0.26	0.31	
2-Hexanone	UG/M3			0.28		
4-Methyl-2-pentanone	UG/M3		0.80	0.38		1.4
Acetone	UG/M3	80	15	14	40	29
Benzene	UG/M3	0.70	0.83	0.97	2.8	1.1
Bromodichloromethane	UG/M3					
Bromomethane	UG/M3					
Carbon disulfide	UG/M3	2.1				
Carbon tetrachloride	UG/M3	0.74	0.53	0.64	0.61	0.58
Chloroethane	UG/M3				0.23	
Chloroform	UG/M3	1.2			1.4	0.65
Chloromethane	UG/M3		1.0	1.0	1.8	1.4
Cyclohexane	UG/M3	0.78	0.44	0.28	2.2	0.72
Dibromochloromethane	UG/M3					

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-32-09	H-33-09	H-33-09	H-33-09	H-33-09
Sample ID		H-AS-32-09	031309-FD3	H-AA-33-09	031309-FD2	H-BS-33-09
Matrix		Subslab Vapor	Outdoor Air	Outdoor Air	Indoor Air	Indoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/13/09	03/14/09	03/14/09	03/14/09	03/14/09
Parameter	Units		Field Duplicate (1-1)		Field Duplicate (1-1)	
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	2.9	2.8	2.9	2.8	2.9
Ethylbenzene	UG/M3	0.73	0.57	0.31	1.1	0.71
Isopropylbenzene (Cumene)	UG/M3					
Methyl acetate	UG/M3					
Methyl ethyl ketone (2-Butanone)	UG/M3	6.5		2.8	2.6	
Methyl tert-butyl ether	UG/M3					
Methylcyclohexane	UG/M3	3.7	0.75		15	2.3
Methylene chloride	UG/M3	5.1	2.4	8.9	4.9	3.1
Styrene	UG/M3		0.36		0.66	0.60
Tetrachloroethene	UG/M3	4.8	0.87	0.44	3.4	1.2
Toluene	UG/M3	55	6.1	3.0	14	12
Trichloroethene	UG/M3	23		0.36	1.6	0.31
Trichlorofluoromethane	UG/M3	2.1 J	1.9 J	2.1 J	1.9 J	1.9 J
Vinyl chloride	UG/M3					
Xylene (total)	UG/M3	3.9	2.4	1.5	4.4	3.1

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-33-09	H-33-09	H-34-09	H-34-09	H-34-09
Sample ID		031309-FD1	H-AS-33-09	H-AA-34-09	H-BS-34-09	H-AS-34-09
Matrix		Subslab Vapor	Subslab Vapor	Outdoor Air	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/14/09	03/14/09	03/14/09	03/14/09	03/14/09
Parameter	Units	Field Duplicate (1-1)				
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3	1.6				
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.62		0.62	0.60	
1,1,2-Trichloroethane	UG/M3					
1,1-Dichloroethane	UG/M3	5.1				
1,1-Dichloroethene	UG/M3	0.63				
1,2-Dichloroethane	UG/M3	10	1.7			
1,2-Dichloroethene (cis)	UG/M3	130 D	6.1			
1,2-Dichloroethene (trans)	UG/M3	14	0.50			
1,3-Dichlorobenzene	UG/M3					
1,4-Dichlorobenzene	UG/M3	3.2		0.25	0.32	
2-Hexanone	UG/M3					
4-Methyl-2-pentanone	UG/M3					
Acetone	UG/M3	53	60			22
Benzene	UG/M3	31	2.0	0.76	1.2	0.89
Bromodichloromethane	UG/M3					
Bromomethane	UG/M3					
Carbon disulfide	UG/M3	4.4	0.93			1.0
Carbon tetrachloride	UG/M3	0.79		0.56	0.54	
Chloroethane	UG/M3	50	1.8			
Chloroform	UG/M3	130	11		0.49	
Chloromethane	UG/M3			1.0	1.0	1.0
Cyclohexane	UG/M3	350 D	21	0.17	0.43	
Dibromochloromethane	UG/M3	0.93				

Flags assigned during chemistry validation are shown.

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UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-33-09	H-33-09	H-34-09	H-34-09	H-34-09
Sample ID		031309-FD1	H-AS-33-09	H-AA-34-09	H-BS-34-09	H-AS-34-09
Matrix		Subslab Vapor	Subslab Vapor	Outdoor Air	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/14/09	03/14/09	03/14/09	03/14/09	03/14/09
Parameter	Units	Field Duplicate (1-1)				
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	2.9	2.9	2.9	3.0	3.1
Ethylbenzene	UG/M3	5.9	1.3	0.28	0.49	0.55
Isopropylbenzene (Cumene)	UG/M3	4.9				
Methyl acetate	UG/M3					
Methyl ethyl ketone (2-Butanone)	UG/M3	9.1	3.3			2.5
Methyl tert-butyl ether	UG/M3	13	0.88		0.36	
Methylcyclohexane	UG/M3	2,600 D	190 D		0.56	
Methylene chloride	UG/M3	13	5.4	4.3	34	15
Styrene	UG/M3	1.2	0.49			
Tetrachloroethene	UG/M3	500 D	28	0.86	0.66	3.1
Toluene	UG/M3	33	15	2.4	3.4	59
Trichloroethene	UG/M3	230 D	11		0.49	1.8
Trichlorofluoromethane	UG/M3	2.6 J	2.0 J	2.1 J	2.0 J	2.1 J
Vinyl chloride	UG/M3	11	0.46			
Xylene (total)	UG/M3	14	4.8	1.2	2.3	2.6

Flags assigned during chemistry validation are shown.

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UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-35-09	H-35-09	H-35-09	H-36-09	H-36-09
Sample ID	H-AA-35-09	H-BS-35-09	H-AS-35-09	H-BS-36-09	H-AS-36-09
Matrix	Outdoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)	-	-	-	-	-
Date Sampled	03/15/09	03/15/09	03/15/09	03/17/09	03/17/09
Parameter	Units				
Volatile Organic Compounds					
1,1,1-Trichloroethane	UG/M3				
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.63	1.2		0.59
1,1,2-Trichloroethane	UG/M3				
1,1-Dichloroethane	UG/M3				
1,1-Dichloroethene	UG/M3				
1,2-Dichloroethane	UG/M3				
1,2-Dichloroethene (cis)	UG/M3				
1,2-Dichloroethene (trans)	UG/M3				
1,3-Dichlorobenzene	UG/M3				
1,4-Dichlorobenzene	UG/M3	0.92	1.1	1.6 J	0.32
2-Hexanone	UG/M3				0.29
4-Methyl-2-pentanone	UG/M3				0.27
Acetone	UG/M3	13	24	20 J	18
Benzene	UG/M3	1.2	1.6	0.95	1.1
Bromodichloromethane	UG/M3				
Bromomethane	UG/M3				
Carbon disulfide	UG/M3			0.37	
Carbon tetrachloride	UG/M3	0.57	0.64		0.58
Chloroethane	UG/M3				
Chloroform	UG/M3		0.67	1.1	0.24
Chloromethane	UG/M3	1.3	1.3		1.2
Cyclohexane	UG/M3	0.36	0.85		0.36
Dibromochloromethane	UG/M3				

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-35-09	H-35-09	H-35-09	H-36-09	H-36-09
Sample ID		H-AA-35-09	H-BS-35-09	H-AS-35-09	H-BS-36-09	H-AS-36-09
Matrix		Outdoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/15/09	03/15/09	03/15/09	03/17/09	03/17/09
Parameter	Units					
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	3.0	3.5	3.2	3.0	3.1
Ethylbenzene	UG/M3	0.32	0.77	0.90	0.59	0.70
Isopropylbenzene (Cumene)	UG/M3					
Methyl acetate	UG/M3					
Methyl ethyl ketone (2-Butanone)	UG/M3			3.1		3.5
Methyl tert-butyl ether	UG/M3					
Methylcyclohexane	UG/M3		4.5		0.66	
Methylene chloride	UG/M3	18	130 D	60	5.0	6.6
Styrene	UG/M3			0.49	0.18	
Tetrachloroethene	UG/M3	0.51	0.99	7.5	1.2	1.4
Toluene	UG/M3	2.6	6.1	160	5.5	26
Trichloroethene	UG/M3			3.6		
Trichlorofluoromethane	UG/M3	2.2 J	2.3 J	2.0 J	2.3 J	2.2 J
Vinyl chloride	UG/M3					
Xylene (total)	UG/M3	1.4	3.5	4.3	2.7	3.4

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-37-09	H-37-09	H-37-09	H-38-09	H-38-09
Sample ID		H-AA-37-09	H-BS-37-09	H-AS-37-09	H-BS-38-09	H-AS-38-09
Matrix		Outdoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/17/09	03/17/09	03/17/09	03/17/09	03/17/09
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3					
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3		0.51		0.60	
1,1,2-Trichloroethane	UG/M3					
1,1-Dichloroethane	UG/M3					
1,1-Dichloroethene	UG/M3					
1,2-Dichloroethane	UG/M3					
1,2-Dichloroethene (cis)	UG/M3					
1,2-Dichloroethene (trans)	UG/M3					
1,3-Dichlorobenzene	UG/M3					
1,4-Dichlorobenzene	UG/M3		0.26	1.3	0.32	0.78 J
2-Hexanone	UG/M3	1.1	0.33	0.79	0.21	
4-Methyl-2-pentanone	UG/M3	0.58	0.68	0.55	0.44	
Acetone	UG/M3	26	23	22	16	24 J
Benzene	UG/M3	1.0	2.0	0.61	1.3	0.41
Bromodichloromethane	UG/M3					
Bromomethane	UG/M3					
Carbon disulfide	UG/M3			0.50		0.52
Carbon tetrachloride	UG/M3		0.36		0.60	5.5
Chloroethane	UG/M3					
Chloroform	UG/M3			16		4.3
Chloromethane	UG/M3	0.97	1.2		1.3	
Cyclohexane	UG/M3		0.77		0.66	
Dibromochloromethane	UG/M3					

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-37-09	H-37-09	H-37-09	H-38-09	H-38-09
Sample ID	H-AA-37-09	H-BS-37-09	H-AS-37-09	H-BS-38-09	H-AS-38-09
Matrix	Outdoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Depth Interval (ft)	-	-	-	-	-
Date Sampled	03/17/09	03/17/09	03/17/09	03/17/09	03/17/09
Parameter	Units				
Volatile Organic Compounds					
Dichlorodifluoromethane	UG/M3	2.3	2.6	2.9	2.9
Ethylbenzene	UG/M3	0.57	1.4	1.2	0.88
Isopropylbenzene (Cumene)	UG/M3				
Methyl acetate	UG/M3				
Methyl ethyl ketone (2-Butanone)	UG/M3	6.4	3.5	4.2	3.2
Methyl tert-butyl ether	UG/M3				
Methylcyclohexane	UG/M3		1.5		1.3
Methylene chloride	UG/M3	14	1.5	2.7	3.0
Styrene	UG/M3		0.31	0.59	0.17
Tetrachloroethene	UG/M3	0.90	0.85	3.8	2.0
Toluene	UG/M3	4.1	9.9	97	5.6
Trichloroethene	UG/M3		0.26	3.4	2.0
Trichlorofluoromethane	UG/M3	1.1	2.0	1.5	2.2 J
Vinyl chloride	UG/M3				
Xylene (total)	UG/M3	2.4	6.8	5.4	4.4

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-39-09	H-39-09	H-39-09	H-40-09	H-40-09
Sample ID	H-AA-39-09	H-BS-39-09	H-AS-39-09	H-AA-40-09	H-BS-40-09
Matrix	Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air	Indoor Air
Depth Interval (ft)	-	-	-	-	-
Date Sampled	03/17/09	03/17/09	03/17/09	03/18/09	03/18/09
Parameter	Units				
Volatile Organic Compounds					
1,1,1-Trichloroethane	UG/M3				
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.66	0.52		1.1
1,1,2-Trichloroethane	UG/M3				
1,1-Dichloroethane	UG/M3				
1,1-Dichloroethene	UG/M3				
1,2-Dichloroethane	UG/M3				0.19
1,2-Dichloroethene (cis)	UG/M3				
1,2-Dichloroethene (trans)	UG/M3				
1,3-Dichlorobenzene	UG/M3				
1,4-Dichlorobenzene	UG/M3	0.37	0.39	2.0	1.4
2-Hexanone	UG/M3	0.70		1.6	0.63
4-Methyl-2-pentanone	UG/M3	0.63	0.56	3.7	0.59
Acetone	UG/M3	24	19	78	30
Benzene	UG/M3	1.1	1.3	1.3	1.5
Bromodichloromethane	UG/M3				
Bromomethane	UG/M3				
Carbon disulfide	UG/M3			1.4	
Carbon tetrachloride	UG/M3	0.39	0.37		0.48
Chloroethane	UG/M3				
Chloroform	UG/M3		1.1	29	
Chloromethane	UG/M3	1.5	1.6	1.5	1.8
Cyclohexane	UG/M3	0.44	0.51	0.60	0.37
Dibromochloromethane	UG/M3				0.83

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-39-09	H-39-09	H-39-09	H-40-09	H-40-09
Sample ID	H-AA-39-09	H-BS-39-09	H-AS-39-09	H-AA-40-09	H-BS-40-09
Matrix	Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air	Indoor Air
Depth Interval (ft)	-	-	-	-	-
Date Sampled	03/17/09	03/17/09	03/17/09	03/18/09	03/18/09
Parameter	Units				
Volatile Organic Compounds					
Dichlorodifluoromethane	UG/M3	2.9	2.9	3.6	3.3
Ethylbenzene	UG/M3	0.72	0.68	2.1	0.69
Isopropylbenzene (Cumene)	UG/M3			3.4	
Methyl acetate	UG/M3				0.79
Methyl ethyl ketone (2-Butanone)	UG/M3	3.5	1.6	14	4.2
Methyl tert-butyl ether	UG/M3				
Methylcyclohexane	UG/M3	1.2	1.3	2.7	0.68
Methylene chloride	UG/M3	3.7	1.7	3.2	3.4
Styrene	UG/M3	0.17	0.18	1.3	
Tetrachloroethene	UG/M3	1.4	1.3	12	1.1
Toluene	UG/M3	6.6	6.4	610 D	6.3
Trichloroethene	UG/M3			0.78	0.60
Trichlorofluoromethane	UG/M3	2.0	2.0	1.7	2.4
Vinyl chloride	UG/M3				
Xylene (total)	UG/M3	3.2	3.1	10	3.1
					6.6

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-40-09	H-41-09	H-41-09	H-41-09	H-42-09
Sample ID	H-AS-40-09	H-AA-41-09	H-BS-41-09	H-AS-41-09	H-AA-42-09
Matrix	Subslab Vapor	Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air
Depth Interval (ft)	-	-	-	-	-
Date Sampled	03/18/09	03/19/09	03/19/09	03/19/09	03/19/09
Parameter	Units				
Volatile Organic Compounds					
1,1,1-Trichloroethane	UG/M3				
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3		0.53	0.52	0.76
1,1,2-Trichloroethane	UG/M3				
1,1-Dichloroethane	UG/M3				
1,1-Dichloroethene	UG/M3				
1,2-Dichloroethane	UG/M3				
1,2-Dichloroethene (cis)	UG/M3				
1,2-Dichloroethene (trans)	UG/M3				
1,3-Dichlorobenzene	UG/M3				
1,4-Dichlorobenzene	UG/M3	1.2	0.87	0.80	0.34
2-Hexanone	UG/M3	0.50	0.97		0.45
4-Methyl-2-pentanone	UG/M3	1.6	0.74		0.66
Acetone	UG/M3	79	29	55	20
Benzene	UG/M3	1.3	1.4	3.7	0.89
Bromodichloromethane	UG/M3				
Bromomethane	UG/M3				0.62 J
Carbon disulfide	UG/M3	2.0			0.87
Carbon tetrachloride	UG/M3		0.39	0.38	0.52
Chloroethane	UG/M3				
Chloroform	UG/M3	4.4		0.37	
Chloromethane	UG/M3	1.4	1.6	1.6	0.61
Cyclohexane	UG/M3	0.85	0.55	2.0	0.48
Dibromochloromethane	UG/M3				0.71

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-40-09	H-41-09	H-41-09	H-41-09	H-42-09
Sample ID		H-AS-40-09	H-AA-41-09	H-BS-41-09	H-AS-41-09	H-AA-42-09
Matrix		Subslab Vapor	Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air
Depth Interval (ft)		-	-	-	-	-
Date Sampled		03/18/09	03/19/09	03/19/09	03/19/09	03/19/09
Parameter	Units					
Volatile Organic Compounds						
Dichlorodifluoromethane	UG/M3	2.6	3.1	3.1	2.9	4.2
Ethylbenzene	UG/M3	2.1	1.1	8.5	1.7	1.1
Isopropylbenzene (Cumene)	UG/M3				2.1	
Methyl acetate	UG/M3					0.63
Methyl ethyl ketone (2-Butanone)	UG/M3	7.3	4.9	11	3.7	4.9
Methyl tert-butyl ether	UG/M3	0.44				
Methylcyclohexane	UG/M3	2.3	1.2	5.2	2.5	1.4
Methylene chloride	UG/M3	15	3.2	2.8	4.5	12
Styrene	UG/M3		0.21	0.25		0.21
Tetrachloroethene	UG/M3	35	1.9	1.5	20	1.8
Toluene	UG/M3	360 D	8.3	84	810 D	9.0
Trichloroethene	UG/M3	1.1	0.29	0.53	0.68	0.25
Trichlorofluoromethane	UG/M3	1.1	1.7	2.2	1.1	3.0
Vinyl chloride	UG/M3					
Xylene (total)	UG/M3	8.8	4.9	44	7.7	4.7

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-42-09	H-42-09	H-43-09	H-43-09	H-43-09
Sample ID	H-BS-42-09	H-AS-42-09	H-AA-43-09	H-BS-43-09	H-AS-43-09
Matrix	Indoor Air	Subslab Vapor	Outdoor Air	Indoor Air	Subslab Vapor
Depth Interval (ft)	-	-	-	-	-
Date Sampled	03/19/09	03/19/09	03/20/09	03/20/09	03/20/09
Parameter	Units				
Volatile Organic Compounds					
1,1,1-Trichloroethane	UG/M3				
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.54		0.52	0.52
1,1,2-Trichloroethane	UG/M3				
1,1-Dichloroethane	UG/M3				
1,1-Dichloroethene	UG/M3				
1,2-Dichloroethane	UG/M3	1.1			
1,2-Dichloroethene (cis)	UG/M3				
1,2-Dichloroethene (trans)	UG/M3				
1,3-Dichlorobenzene	UG/M3				
1,4-Dichlorobenzene	UG/M3	0.55	1.4	0.43	0.46
2-Hexanone	UG/M3		1.0	0.24	0.40
4-Methyl-2-pentanone	UG/M3	0.83	0.51	0.39	0.52
Acetone	UG/M3	45	44	15	23
Benzene	UG/M3	2.4		1.3	1.6
Bromodichloromethane	UG/M3				
Bromomethane	UG/M3				
Carbon disulfide	UG/M3		1.3		
Carbon tetrachloride	UG/M3	0.39		0.40	0.37
Chloroethane	UG/M3				
Chloroform	UG/M3	0.46			
Chloromethane	UG/M3	2.5		1.1	1.5
Cyclohexane	UG/M3	0.93		0.51	0.68
Dibromochloromethane	UG/M3				

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-42-09	H-42-09	H-43-09	H-43-09	H-43-09
Sample ID	H-BS-42-09	H-AS-42-09	H-AA-43-09	H-BS-43-09	H-AS-43-09
Matrix	Indoor Air	Subslab Vapor	Outdoor Air	Indoor Air	Subslab Vapor
Depth Interval (ft)	-	-	-	-	-
Date Sampled	03/19/09	03/19/09	03/20/09	03/20/09	03/20/09
Parameter	Units				
Volatile Organic Compounds					
Dichlorodifluoromethane	UG/M3	3.3	2.8	2.8	3.0
Ethylbenzene	UG/M3	1.5		0.96	1.1
Isopropylbenzene (Cumene)	UG/M3				3.5
Methyl acetate	UG/M3	5.1			
Methyl ethyl ketone (2-Butanone)	UG/M3	2.7	5.8	2.8	3.6
Methyl tert-butyl ether	UG/M3				
Methylcyclohexane	UG/M3	3.1		1.2	1.6
Methylene chloride	UG/M3	200 D	6.8	2.4	3.1
Styrene	UG/M3	0.54		0.26	0.29
Tetrachloroethene	UG/M3	2.1	1.5	1.3	1.5
Toluene	UG/M3	11	96	4.8	5.8
Trichloroethene	UG/M3			0.47	0.43
Trichlorofluoromethane	UG/M3	2.6	2.0	1.4	1.9
Vinyl chloride	UG/M3				
Xylene (total)	UG/M3	6.2	1.2	4.4	4.9
					5.9

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-44-09	H-44-09	H-44-09	H-45-09	H-45-09
Sample ID	H-AA-44-09	H-BS-44-09	H-AS-44-09	032409-FD3	H-AA-45-09
Matrix	Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air	Outdoor Air
Depth Interval (ft)	-	-	-	-	-
Date Sampled	03/20/09	03/20/09	03/20/09	03/25/09	03/25/09
Parameter	Units			Field Duplicate (1-1)	
Volatile Organic Compounds					
1,1,1-Trichloroethane	UG/M3				
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.55	0.53		0.52
1,1,2-Trichloroethane	UG/M3				
1,1-Dichloroethane	UG/M3				
1,1-Dichloroethene	UG/M3				
1,2-Dichloroethane	UG/M3				
1,2-Dichloroethene (cis)	UG/M3				
1,2-Dichloroethene (trans)	UG/M3				
1,3-Dichlorobenzene	UG/M3				
1,4-Dichlorobenzene	UG/M3	0.25	0.63	2.1	0.28
2-Hexanone	UG/M3		0.33	0.97	
4-Methyl-2-pentanone	UG/M3	0.58	0.75	1.0	0.45
Acetone	UG/M3	8.0	16	47	15
Benzene	UG/M3	1.2	1.7	0.48	0.99
Bromodichloromethane	UG/M3				
Bromomethane	UG/M3				
Carbon disulfide	UG/M3			2.6	
Carbon tetrachloride	UG/M3	0.42	0.40		0.42
Chloroethane	UG/M3				
Chloroform	UG/M3		0.36	0.63	
Chloromethane	UG/M3	0.90	2.1		1.2
Cyclohexane	UG/M3	0.39	0.80		0.28
Dibromochloromethane	UG/M3				0.28

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID	H-44-09	H-44-09	H-44-09	H-45-09	H-45-09
Sample ID	H-AA-44-09	H-BS-44-09	H-AS-44-09	032409-FD3	H-AA-45-09
Matrix	Outdoor Air	Indoor Air	Subslab Vapor	Outdoor Air	Outdoor Air
Depth Interval (ft)	-	-	-	-	-
Date Sampled	03/20/09	03/20/09	03/20/09	03/25/09	03/25/09
Parameter	Units			Field Duplicate (1-1)	
Volatile Organic Compounds					
Dichlorodifluoromethane	UG/M3	2.1	2.3	2.4	3.1
Ethylbenzene	UG/M3	0.52	1.4	1.0	0.68
Isopropylbenzene (Cumene)	UG/M3				
Methyl acetate	UG/M3				
Methyl ethyl ketone (2-Butanone)	UG/M3	1.5	3.0	9.7	2.4
Methyl tert-butyl ether	UG/M3				
Methylcyclohexane	UG/M3	0.74	1.6		0.90
Methylene chloride	UG/M3	16	32	5.2	4.3
Styrene	UG/M3		0.26	0.60	0.24
Tetrachloroethene	UG/M3	0.97	1.1	6.9	0.61
Toluene	UG/M3	8.2	11	570 D	5.6
Trichloroethene	UG/M3		0.22		
Trichlorofluoromethane	UG/M3	1.0	1.2	1.2	1.6
Vinyl chloride	UG/M3				
Xylene (total)	UG/M3	2.4	7.6	4.9	3.1
					3.2

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-45-09	H-45-09	H-45-09	H-45-09
Sample ID		032409-FD2	H-BS-45-09	032409-FD1	H-AS-45-09
Matrix		Indoor Air	Indoor Air	Subslab Vapor	Subslab Vapor
Depth Interval (ft)		-	-	-	-
Date Sampled		03/25/09	03/25/09	03/25/09	03/25/09
Parameter	Units	Field Duplicate (1-1)		Field Duplicate (1-1)	
Volatile Organic Compounds					
1,1,1-Trichloroethane	UG/M3	0.26		55	47
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.50	0.50	1.7	1.5
1,1,2-Trichloroethane	UG/M3				
1,1-Dichloroethane	UG/M3			1.2	1.0
1,1-Dichloroethene	UG/M3			2.1	2.0
1,2-Dichloroethane	UG/M3	0.27			
1,2-Dichloroethene (cis)	UG/M3				
1,2-Dichloroethene (trans)	UG/M3				
1,3-Dichlorobenzene	UG/M3				
1,4-Dichlorobenzene	UG/M3				0.71
2-Hexanone	UG/M3				1.1
4-Methyl-2-pentanone	UG/M3	0.48	0.43		
Acetone	UG/M3	13	9.8	56	48
Benzene	UG/M3	1.2	1.1	1.2	1.2
Bromodichloromethane	UG/M3				
Bromomethane	UG/M3				
Carbon disulfide	UG/M3			12	10
Carbon tetrachloride	UG/M3	0.42	0.49		0.63
Chloroethane	UG/M3				
Chloroform	UG/M3	0.26	0.23	16	13
Chloromethane	UG/M3	1.6	0.93		
Cyclohexane	UG/M3	0.42	0.47	16	14
Dibromochloromethane	UG/M3				

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 3
2008/2009 SOIL VAPOR INTRUSION ANALYTICAL RESULTS
MEEKER AVENUE PLUME TRACKDOWN SITE

Location ID		H-45-09	H-45-09	H-45-09	H-45-09
Sample ID		032409-FD2	H-BS-45-09	032409-FD1	H-AS-45-09
Matrix		Indoor Air	Indoor Air	Subslab Vapor	Subslab Vapor
Depth Interval (ft)		-	-	-	-
Date Sampled		03/25/09	03/25/09	03/25/09	03/25/09
Parameter	Units	Field Duplicate (1-1)		Field Duplicate (1-1)	
Volatile Organic Compounds					
Dichlorodifluoromethane	UG/M3	3.8	2.7	9.3	6.9
Ethylbenzene	UG/M3	0.74	0.67		
Isopropylbenzene (Cumene)	UG/M3				
Methyl acetate	UG/M3				
Methyl ethyl ketone (2-Butanone)	UG/M3	1.6	1.4	5.0	8.7
Methyl tert-butyl ether	UG/M3				
Methylcyclohexane	UG/M3	1.6	1.4	85 D	91 D
Methylene chloride	UG/M3	3.8	27	3.0	10
Styrene	UG/M3	0.32	0.35		
Tetrachloroethene	UG/M3	0.70	0.61	42	37
Toluene	UG/M3	9.9	8.9	240	200
Trichloroethene	UG/M3			4.1	3.8
Trichlorofluoromethane	UG/M3	1.7	1.1	3.2	1.8
Vinyl chloride	UG/M3				
Xylene (total)	UG/M3	3.7	3.1	1.5	1.6

Flags assigned during chemistry validation are shown.

See Soil Vapor/Indoor Air Decision Matrix 1 or Matrix 2 for recommendations. (NYSDOH Soil Vapor Intrusion Guidance, October 2006)

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis. Blank - Not Detected

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 4
STATISTICAL SUMMARY OF COMPOUNDS DETECTED IN MARCH 2009 OUTDOOR AIR SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Parameter	Units	No. of Samples	No. of Detections	Range of Detections				Location of Max Value
				Min	Max	Avg	StdDev	
Volatile Organic Compounds								
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	39	43	0.500	1.10	0.633	0.102	H-40-09
1,2-Dichloroethane	UG/M3	39	1	0.170	0.170	0.170	-	H-18-09
1,4-Dichlorobenzene	UG/M3	39	31	0.250	1.60	0.559	0.321	H-22-09
2-Hexanone	UG/M3	39	20	0.170	1.10	0.412	0.256	H-37-09
4-Methyl-2-pentanone	UG/M3	39	38	0.180	1.20	0.406	0.220	H-42-09
Acetone	UG/M3	39	41	6.00	45.00	15.60	7.70	H-42-09
Benzene	UG/M3	39	44	0.560	1.80	1.03	0.318	H-42-09
Bromomethane	UG/M3	39	1	0.620	0.620	0.620	-	H-42-09
Carbon disulfide	UG/M3	39	1	0.150	0.150	0.150	-	H-28-09
Carbon tetrachloride	UG/M3	39	43	0.390	0.640	0.504	0.066	H-33-09
Chloromethane	UG/M3	39	44	0.900	2.40	1.19	0.243	H-42-09
Cyclohexane	UG/M3	39	25	0.150	1.10	0.480	0.238	H-28-09
Dichlorodifluoromethane	UG/M3	39	44	2.10	4.20	2.79	0.314	H-42-09
Ethylbenzene	UG/M3	39	43	0.210	3.40	0.706	0.535	H-29-09
Methyl acetate	UG/M3	39	1	0.630	0.630	0.630	-	H-42-09
Methyl ethyl ketone (2-Butanone)	UG/M3	39	38	1.30	7.60	3.05	1.46	H-28-09
Methyl tert-butyl ether	UG/M3	39	1	0.240	0.240	0.240	-	H-28-09
Methylcyclohexane	UG/M3	39	30	0.530	2.10	1.05	0.380	H-28-09

The number of samples equals the number of locations sampled. The number of detections includes field duplicates, therefore the number of detections may be greater than the number of samples. Five field duplicates were collected, therefore the maximum number of detections is 44.

The minimum value in the range of detections is the lowest detected value. Non-detect results are not included in the minimum, average and standard deviation.

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 4
STATISTICAL SUMMARY OF COMPOUNDS DETECTED IN MARCH 2009 OUTDOOR AIR SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Parameter	Units	No. of Samples	No. of Detections	Range of Detections				Location of Max Value
				Min	Max	Avg	StdDev	
Volatile Organic Compounds								
Methylene chloride	UG/M3	39	44	0.890	18.00	4.86	4.27	H-35-09
Styrene	UG/M3	39	11	0.170	0.360	0.256	0.070	H-15-09
Tetrachloroethene	UG/M3	39	44	0.300	4.30	1.01	0.669	H-29-09
Toluene	UG/M3	39	44	2.10	23.00	5.47	3.37	H-28-09
Trichloroethene	UG/M3	39	20	0.250	6.70	0.968	1.40	H-28-09
Trichlorofluoromethane	UG/M3	39	44	1.00	3.00	1.79	0.391	H-42-09
Xylene (total)	UG/M3	39	44	0.470	16.00	3.03	2.42	H-29-09

The number of samples equals the number of locations sampled. The number of detections includes field duplicates, therefore the number of detections may be greater than the number of samples. Five field duplicates were collected, therefore the maximum number of detections is 44.

The minimum value in the range of detections is the lowest detected value. Non-detect results are not included in the minimum, average and standard deviation.

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 5
STATISTICAL SUMMARY OF COMPOUNDS DETECTED IN MARCH 2009 INDOOR AIR SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Parameter	Units	No. of Samples	No. of Detections	Range of Detections				Location of Max Value
				Min	Max	Avg	StdDev	
Volatile Organic Compounds								
1,1,1-Trichloroethane	UG/M3	45	7	0.260	2.40	1.02	0.791	H-06-09
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	45	50	0.460	1.20	0.645	0.145	H-35-09
1,1,2-Trichloroethane	UG/M3	45	1	1.20	1.20	1.20	-	H-25-09
1,2-Dichloroethane	UG/M3	45	13	0.170	1.90	0.482	0.511	H-29-09
1,2-Dichloroethene (cis)	UG/M3	45	4	0.580	8.10	2.86	3.53	H-25-09
1,2-Dichloroethene (trans)	UG/M3	45	1	0.370	0.370	0.370	-	H-25-09
1,4-Dichlorobenzene	UG/M3	45	39	0.260	88.00	3.89	14.18	H-08-09
2-Hexanone	UG/M3	45	26	0.190	1.60	0.538	0.333	H-29-09
4-Methyl-2-pentanone	UG/M3	45	34	0.210	2.20	0.592	0.383	H-24-09
Acetone	UG/M3	45	49	6.50	89.00	31.46	19.64	H-12-09
Benzene	UG/M3	45	50	0.720	4.50	1.68	0.839	H-15-09
Bromodichloromethane	UG/M3	45	1	0.460	0.460	0.460	-	H-22-09
Carbon disulfide	UG/M3	45	3	0.220	1.40	0.677	0.634	H-05-09
Carbon tetrachloride	UG/M3	45	50	0.360	0.910	0.530	0.106	H-14-09
Chloroethane	UG/M3	45	4	0.230	2.50	1.32	1.14	H-30-09
Chloroform	UG/M3	45	41	0.230	5.20	0.920	1.06	H-25-09
Chloromethane	UG/M3	45	50	0.930	2.50	1.28	0.289	H-42-09
Cyclohexane	UG/M3	45	39	0.360	8.20	1.26	1.30	H-25-09

The number of samples equals the number of locations sampled. The number of detections includes field duplicates, therefore the number of detections may be greater than the number of samples. Five field duplicates were collected, therefore the maximum number of detections is 50.

The minimum value in the range of detections is the lowest detected value. Non-detect results are not included in the minimum, average and standard deviation.

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 5
STATISTICAL SUMMARY OF COMPOUNDS DETECTED IN MARCH 2009 INDOOR AIR SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Parameter	Units	No. of Samples	No. of Detections	Range of Detections				Location of Max Value
				Min	Max	Avg	StdDev	
Volatile Organic Compounds								
Dichlorodifluoromethane	UG/M3	45	50	2.30	4.30	2.90	0.412	H-32-09
Ethylbenzene	UG/M3	45	49	0.310	9.70	1.62	1.95	H-16-09
Isopropylbenzene (Cumene)	UG/M3	45	3	0.540	1.50	0.867	0.549	H-15-09
Methyl acetate	UG/M3	45	11	0.520	23.00	5.80	8.20	H-16-09
Methyl ethyl ketone (2-Butanone)	UG/M3	45	45	0.850	40.00	5.86	7.46	H-16-09
Methyl tert-butyl ether	UG/M3	45	6	0.180	3.30	1.12	1.20	H-21-09
Methylicyclohexane	UG/M3	45	47	0.560	80.00	5.02	11.55	H-25-09
Methylene chloride	UG/M3	45	50	1.30	200.0	16.96	36.24	H-42-09
Styrene	UG/M3	45	40	0.170	2.00	0.528	0.458	H-12-09
Tetrachloroethene	UG/M3	45	47	0.550	170.0	6.00	24.72	H-25-09
Toluene	UG/M3	45	50	2.20	110.0	15.08	20.59	H-20-09
Trichloroethene	UG/M3	45	28	0.220	12.00	1.13	2.20	H-25-09
Trichlorofluoromethane	UG/M3	45	50	1.10	3.70	2.00	0.499	H-13-09
Vinyl chloride	UG/M3	45	2	0.250	0.760	0.505	0.361	H-25-09
Xylene (total)	UG/M3	45	50	0.820	44.00	7.18	9.27	H-41-09

The number of samples equals the number of locations sampled. The number of detections includes field duplicates, therefore the number of detections may be greater than the number of samples. Five field duplicates were collected, therefore the maximum number of detections is 50.

The minimum value in the range of detections is the lowest detected value. Non-detect results are not included in the minimum, average and standard deviation.

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 6
STATISTICAL SUMMARY OF COMPOUNDS DETECTED IN MARCH 2009 SUBSLAB SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Parameter	Units	No. of Samples	No. of Detections	Range of Detections				Location of Max Value
				Min	Max	Avg	StdDev	
Volatile Organic Compounds								
1,1,1-Trichloroethane	UG/M3	45	14	0.320	55.00	10.63	17.57	H-45-09
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	45	9	0.580	1.70	0.976	0.389	H-45-09
1,1-Dichloroethane	UG/M3	45	4	1.00	5.10	3.05	2.25	H-33-09
1,1-Dichloroethene	UG/M3	45	3	0.630	2.10	1.58	0.821	H-45-09
1,2-Dichloroethane	UG/M3	45	4	0.780	10.00	3.36	4.44	H-33-09
1,2-Dichloroethene (cis)	UG/M3	45	5	0.980	150.0	58.68	74.60	H-25-09
1,2-Dichloroethene (trans)	UG/M3	45	3	0.500	14.00	6.67	6.83	H-33-09
1,3-Dichlorobenzene	UG/M3	45	4	0.610	0.780	0.710	0.074	H-27-09
1,4-Dichlorobenzene	UG/M3	45	44	0.600	7.80	2.04	1.22	H-08-09
2-Hexanone	UG/M3	45	18	0.450	2.90	1.10	0.654	H-17-09
4-Methyl-2-pentanone	UG/M3	45	14	0.290	3.70	1.13	1.12	H-39-09
Acetone	UG/M3	45	48	8.50	120.0	32.92	25.67	H-15-09
Benzene	UG/M3	45	49	0.340	31.00	2.04	4.35	H-33-09
Bromodichloromethane	UG/M3	45	3	1.90	16.00	8.03	7.23	H-25-09
Carbon disulfide	UG/M3	45	41	0.360	31.00	3.37	5.76	H-25-09
Carbon tetrachloride	UG/M3	45	11	0.490	5.50	1.38	1.47	H-38-09
Chloroethane	UG/M3	45	3	1.80	50.00	32.93	27.00	H-33-09
Chloroform	UG/M3	45	35	0.210	140.0	19.73	39.10	H-25-09

The number of samples equals the number of locations sampled. The number of detections includes field duplicates, therefore the number of detections may be greater than the number of samples. Five field duplicates were collected, therefore the maximum number of detections is 50.

The minimum value in the range of detections is the lowest detected value. Non-detect results are not included in the minimum, average and standard deviation.

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.

TABLE 6
STATISTICAL SUMMARY OF COMPOUNDS DETECTED IN MARCH 2009 SUBSLAB SAMPLES
MEEKER AVENUE PLUME TRACKDOWN SITE

Parameter	Units	No. of Samples	No. of Detections	Range of Detections				Location of Max Value
				Min	Max	Avg	StdDev	
Volatile Organic Compounds								
Chloromethane	UG/M3	45	23	0.210	1.50	0.710	0.375	H-39-09
Cyclohexane	UG/M3	45	21	0.480	350.0	20.23	75.78	H-33-09
Dibromochloromethane	UG/M3	45	1	0.930	0.930	0.930	-	H-33-09
Dichlorodifluoromethane	UG/M3	45	50	2.40	9.30	3.12	1.12	H-45-09
Ethylbenzene	UG/M3	45	43	0.410	16.00	4.92	4.23	H-06-09
Isopropylbenzene (Cumene)	UG/M3	45	5	1.90	4.90	3.16	1.22	H-33-09
Methyl ethyl ketone (2-Butanone)	UG/M3	45	49	0.450	18.00	4.77	3.26	H-15-09
Methyl tert-butyl ether	UG/M3	45	5	0.440	13.00	4.40	5.15	H-33-09
Methylcyclohexane	UG/M3	45	31	0.880	2,600	98.86	465.8	H-33-09
Methylene chloride	UG/M3	45	48	1.20	60.00	9.22	11.12	H-35-09
Styrene	UG/M3	45	25	0.440	4.20	0.811	0.739	H-29-09
Tetrachloroethene	UG/M3	45	46	0.710	4,200	148.5	647.9	H-25-09
Toluene	UG/M3	45	50	0.490	890.0	101.2	199.0	H-43-09
Trichloroethene	UG/M3	45	32	0.300	300.0	24.81	67.37	H-25-09
Trichlorofluoromethane	UG/M3	45	50	1.10	31.00	2.60	4.12	H-17-09
Vinyl chloride	UG/M3	45	3	0.460	11.00	5.92	5.28	H-33-09
Xylene (total)	UG/M3	45	48	1.10	94.00	24.82	24.21	H-06-09

The number of samples equals the number of locations sampled. The number of detections includes field duplicates, therefore the number of detections may be greater than the number of samples. Five field duplicates were collected, therefore the maximum number of detections is 50.

The minimum value in the range of detections is the lowest detected value. Non-detect results are not included in the minimum, average and standard deviation.

UG/M3 - Micrograms per cubic meter.

Only Detected Results Reported.